Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.


1915
KAISERIN
CHAMPION OF THE WORLD
GOLDEN ANNIVERSARY EDITION
MARKING THE HALF CENTURY MILE POST IN THE PROGRESS OF THE
IOWA SEED CO
DES MOINES, IOWA.
RHEA REID
GOLDEN ANNIVERSARY COLLECTION 5 SUPERB ROSES FOR 50 CTS
SUNBURST
ETOILE DE FRANCE
ONLY ONE THE BEST QUALITY
SEEDSMEN TO THE AMERICAN PEOPLE
STECHER LITHO. ROCHESTER N.Y.

OUR GOLDEN ANNIVERSARY ROSE COLLECTION

FIVE OF THE LOVELIEST ROSES OF THE EVERBLOOMING TYPE

For general list of roses of the various types and colors, see pages 111 to 116 of Catalog.

Many fine bargains in roses and and numerous special bargain collections, pp. 111-116



FIVE GOLDEN ANNIVERSARY ROSES, STRONG PLANTS, POSTPAID FOR 50 CENTS
IN TWO YEAR OLD PLANTS FOR IMMEDIATE BLOOMING, ONLY $1.00

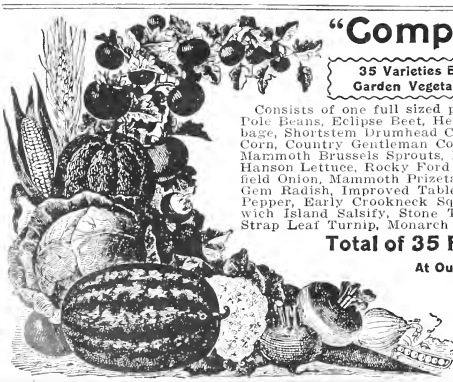
KAISERIN AUGUSTA VICTORIA The finest of the pure white ever-blooming roses. It surpasses the ordinary kinds in form of flower, in freedom of bloom and in delicious fragrance. The plant is a strong grower and will please all lovers of fine roses. Is generally conceded of superior excellence by commercial growers. Each 15c; two-year-old plants 30c.

RHEA REID A most vigorous variety. Plant extra strong, blooms very large, nearly equal to American Beauty in size. Our illustration is not equal to the flower itself in beauty. The buds are long, pointed and oval, and of splendid rich crimson color. Is a prize winner among the strongest competition. Each 20c; two-year-old plants 40c.

ETOILE DE FRANCE **(Star of France).**—Clear dark, red or crimson velvet shade. Is given a prominent place in all rose collections. Without doubt it is the finest red hybrid tea rose in our long list of varieties. Form of flower is perfect and the plant is of splendid habit. Each 20c; two-year-old plants 40c.

CHAMPION OF THE WORLD For several years we have included this magnificent pink rose among the leaders of our list. It is perhaps the most free blooming of any of the ever-blooming roses, while the form of the flower, together with delicate color and exquisite fragrance, make it a general favorite. Each 15c; two-year-old plants 30c.

SUNBURST One of the most beautiful of roses. The outside of the petals is deep coppery reddish salmon. The inside is apricot yellow, flushed with fawn and copper. It makes a perfect form in bud and when opened it is a splendid blossom. An extra fine variety in every respect. Each 20c; two-year-old plants 40c.



"Complete Garden Collection"

35 Varieties Best Garden Vegetables **FOR $1.00** **All Good Desirable Sorts Sure to Please You**

Consists of one full sized packet each of Improved Golden Wax Beans, Old Homestead Pole Beans, Eclipse Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Shortstem Drumhead Cabbage, Oxheart Carrot, White Plume Celery, Early Sunrise Corn, Country Gentleman Corn, Emerald Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Monarch White Rice Popcorn, Continuity Lettuce, Improved Hanson Lettuce, Rocky Ford Musk Melon, Duke Jones Water Melon, Large Red Wethersfield Onion, Mammoth Prizetaker Onion, Iowa Challenge Peas, White Icicle Radish, Rosy Gem Radish, Improved Table Guernsey Parnsip, Market Gardener's Parsley, Ruby King Pepper, Early Crookneck Squash, Hester Squash, Bloomsdale Spinach, Mammoth Sandwich Island Salsify, Stone Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Garden Lemon.

Total of 35 Full Sized Packets Sent Postpaid for $1.00

At Our Regular Price They Amount to About Two Dollars

NOTICE: These collections are all put up ready for mailing before our busy season begins, and therefore cannot be changed or divided. Varieties described in Vegetable Seed Dept.

It is a Bargain. Can a Dollar be better invested?

The best investment I ever made with one dollar was this spring when I sent to you for garden seeds. I wish you could see my garden. It is grand.—Mrs. David Horton, Caseville, Mich.



1865 1915

Fifty Years Successful Business!

Golden Anniversary Edition

Des Moines, Iowa, January, 1915

To Our Customers:

In offering our Golden Anniversary Catalogue, we wish to send with it our sincere thanks to all our friends for the generous patronage so freely given. It is a half century since the beginning of this business and for twenty-eight years of this time it has been under the direction of the present management. This fact of itself is a guarantee of the character of our house, because no firm can successfully continue for that length of time unless they deal justly with their patrons and give satisfaction. We will continue to treat you liberally and give you satisfactory results with our **CHOICE IOWA SEEDS.**

It is our old customers who have traded with us for so many years that made it possible for us to grow and expand our business, and to these old friends we owe a debt of gratitude. To these have been added each year a vast number of newer patrons in every nook and corner of the United States, until we now count our friends by the hundreds of thousands and can truthfully designate our company as

"SEEDSMEN TO THE AMERICAN PEOPLE."

BY THIS WE MEAN NOT ONLY NATIVE BORN AMERICANS, BUT ALL RESIDENTS OF THIS COUNTRY

OUR GUARANTEE

You have to buy seeds without seeing them. If any seeds you order from us are not satisfactory upon arrival and inspection, you can return them to us and we will refund the money you paid for them. With this understanding you can trade with us by mail just the same as the customer who buys in our store over the counter. You are sole judge; all we require is that they shall be sent back to us within fifteen days from date of receipt by you. This applies to garden, farm or flower seeds. We cannot guarantee a crop, but we can and do guarantee to take seeds back that you yourself are not pleased with. The fifteen days will give you ample time to test them in any way you want to do so. It will give you time to send samples for inspection, analysis or test to the State Seed Inspector or to the Agricultural Experiment Station. We know that our stocks will stand the closest scrutiny and are ready to be judged accordingly.

To each and every customer, new and old, we extend our sincere thanks for the countless favors received at your hands. We start anew this year, firm in the determination to merit your continued friendship with quality stocks, fair prices and square dealing. This printed greeting seems but a poor return for your kindness, and we shall strive to add to its effectiveness by serving you with increased efficiency during our Golden Anniversary year.

To the thousands of prospective customers to whom this catalogue comes as the first introduction from our house, we want to say just a few words. Read this book carefully, weigh all statements, and then give us a trial order. We are very glad to leave in your hands the question of future and continued patronage. Each year our friends increase in number, and this increase comes because those who give us trial orders become our firm friends and continuous patrons. We are not a cheap house. We do, however sell the best possible stocks at the lowest prices consistent with profitable merchandising. Price, however, must be second to quality. You do not want poor seeds at any price. We affirm without qualification that our prices are as low as the quality supplied will justify.

IOWA SEED COMPANY

M. KURTZWEIL, Pres. E. T. PEIRCE, First Vice Pres. F. H. PAGE, Second Vice Pres. J. N. ALBRIGHT, Treas. GEO. L. KURTZWEIL, Sec.

SUGGESTIONS TO CUSTOMERS

Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be so

Order Early: The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. You will note there are two order sheets enclosed; one for seeds, tools and miscellaneous goods, and the other for plants, bulbs and nursery stock. If you will use them as intended, it will greatly facilitate the execution of your orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received the same as cash.

Shipping: There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States.

Charges Prepaid: All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent prepaid by mail or express by the quickest and most direct routes, unless ordered otherwise, and we guarantee the safe arrival. Seeds sold by the peck or bushel, Field Seeds, Potatoes, Implements and other heavy goods are sent by freight or express, customers paying charges. Remember seeds go at special rates by express

Seeds by Mail: Seeds, plants and bulbs may be sent by Parcel Post. The table of rates on page 3 gives amount of postage required on quanties over one pound. Miscellaneous merchandise may go by Parcel Post, and mailing weight is given on items of this kind.

Delivery: The point of delivery of all goods is on cars at Des Moines. When we quote a delivery price it means simply that we prepay the freight, express charges or postage.

Many of our farmer customers live at railroad stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments; also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of the goods.

Discounts: We have this year made the prices in this catalogue as low as our high grade seeds can be sold, and we can give no discounts. In ordering seeds in bulk you may deduct ten cents per pound on vegetable seeds, such as are listed prepaid, if you are willing to have them sent by express or freight at your expense.

Premiums: Each year we put up thousands of packets of new or particularly desirable varieties of seeds for free distribution to our customers. We will send these out with the seeds ordered by you and will treat you liberally in this respect. We shall also try to please our plant customers by adding something to their order when shipping it.

Our Responsibility: As this book will probably go into the hands of some who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the People's Savings Bank of this city, to the postmaster, or to any express company.

What We Guarantee: That all money sent to us for seed shall reach us if sent us by registered letter, postoffice or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

About Warranting: We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant seeds to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty express or implied as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employe of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will see that we are right.

Market Gardeners and others who buy vegetable seeds in bulk to the amount of $5.00 or more are requested to send their list of seeds wanted to us and let us make a special quotations.

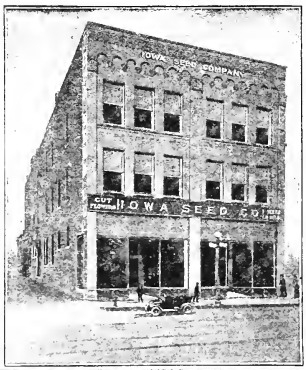
Plant Orders: Orders for plants will be filled as early in the spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

Small Orders: We take pains to fill orders promptly and correctly, no matter if only for but one packet of seeds, but we request that plant orders amount to at least 25 cents, and nursery stock to at least 50 cents, as otherwise they are filled at a loss to us.

FIFTY YEARS FROM THE BEGINNING

OUR STORE AND OFFICE BUILDING AT 209-211 WEST WALNUT STREET

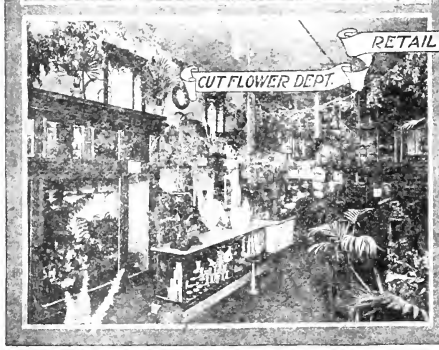
We do not have room in our catalog to show our friends the real magnitude and extent of our business. It would require a larger book than this to show all of our different departments and buildings in a detailed way. On this page we show you photographs of our magnificent new retail store and office building, located at 209-211 Walnut street. They will give you some idea of the spacious rooms and splendid facilities for handling your business. In other portions of the book we show photographs of our greenhouse plant, the corn house and elevator at Altoona and the warehouses along the railroad tracks for our wholesale trade. We have one of the greatest seed houses in the country, and we have undertaken to place it in quarters befitting its importance. How well we have succeeded you can judge when in our city.

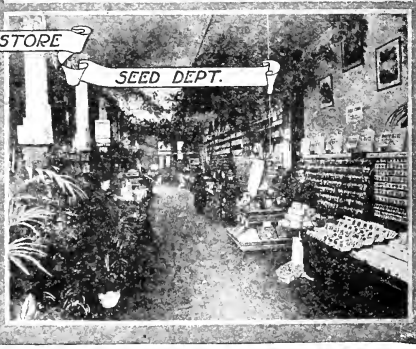


Our retail store building is located in the civic center of the city. It is only a half block from the celebrated "River Front" of Des Moines, upon which is located the Municipal Building, the Postoffice, the Public Library, and the Coliseum, besides several other large and imposing mercantile buildings. The City Market is only half a block away. The Interurban Passenger Station is two blocks distant, and the stations of the steam roads are close at hand. We are splendidly located to give our patrons, both local and out-of-town, the best possible service and our store is most convenient to all who desire to visit it in person. We are proud of our employes, we are proud of our store, and we wish every one of our thousands of customers could call and inspect our establishments, as we think it would add to your confidence in our house.


INTERIOR OF GENERAL OFFICE


WORK ROOM AND MAIL ORDER DEPT.




SEED DEPT.

THE ADDITIONAL PARTS OF OUR ESTABLISHMENT

THIRTY-TWO GREENHOUSES erected during the past few years are devoted to growing plants for the mail order trade, and contain a greater variety of plants than any other greenhouse establishment in the west. They are located convenient to the electric car line, fronting five blocks on 31st street, from Center street north to Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully tweive acres to flowers, making the finest display to be found in the west.

WHOLESALE BUILDING is located at 208-210-212 South Eighth street, about eight blocks from our store. The railway tracks beside the building give us excellent facilities for handling carload lots, and we are centrally located between various freight depots so that all shipments can be made promptly. Our machinery is operated by five electric motors, and our mills for cleaning seed cannot be surpassed. Most of our employes have been with us many years, and no "green hands" handle bulk seeds.

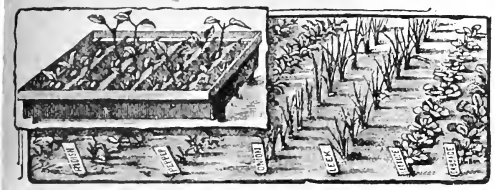
THE WAREHOUSE on South Fifth street we have occupied for many years for storage purposes only. Large lots of seed which come in after harvest are thoroughly cleaned and then put away in this building for the spring trade.

SEED CORN HOUSE.—We have a very large trade in seed corn and to care for it properly we erected this building on our seed farm at Altoona. We now have capacity for 25,000 bushels of seed corn, every ear of which can be given the personal inspection of an expert.

OUR NEW GRAIN ELEVATOR.—Just completed at Altoona, with 12-bin capacity, for caring for our seed grain, the demand for which is expanding to enormous proportions. Photograph on page 39.

SEED FARMS.—It requires the seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers elsewhere to grow for us.

VEGETABLE SEEDS



SEED TESTING AND TRIALS

Our stock of vegetable seeds we are sure cannot be excelled either in quality or selection by any firm in the country, as we watch our growing crops with great care, taking pains to isolate and keep pure and true to name. Every variety listed is desirable and has our recommendation. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on the average, than those of any other firm whose packets we have secured. **We pay the postage** at these prices, except on Beans, Peas and Corn at the 3 lb., peck or bushel rates.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality, and the result is that we rarely have complaints as our **Choice Iowa Seeds** are sure to please.

SEEDS BY PARCELS POST

BE SURE AND ADD ONE POUND ADDITIONAL TO COVER WEIGHT OF PACKING

Many of our friends will prefer to have their seeds come by parcel post rather than by express. There is not much difference in the cost of transportation by these two methods, but if you want the seeds to come by mail you must send postage, because it must be prepaid. We submit herewith a table showing the postage per pound to each state. This is figured in the way to be most easily understood by our friends. The only thing to remember is to add one pound over the actual amount of seeds you order to cover the weight of packing. For example, you live in Alabama and you order three pounds of Gradus peas by parcel post. You will add 24 cents to the price quoted in the catalogue. If you live in Illinois and want a peck of peas by parcel post, add 64 cents to the price in the catalogue.

If the postage you send is more than is necessary the surplus will be returned to you inclosed in a small envelope within the package. If you do not send postage we will take it for granted you want the goods forwarded by express or freight.

Remember that we pay the postage on garden seeds ordered by the packet, ounce, quarter pound or pound, no matter what the cost; but on larger quantities postage must be added if we are to send them by mail.

OUR POSTAGE RATE FROM DES MOINES TO ALL IOWA POINTS IS ONE CENT PER POUND.

STATE	Postage Per Lb.	STATE	Postage Per Lb.
Alabama	6 cents	Missouri	4 cents
Alaska	12 cents	Montana	8 cents
Arizona	8 cents	Nebraska	4 cents
Arkansas	4 cents	Nevada	8 cents
California	10 cents	New Hampshire	8 cents
Canal Zone	12 cents	New Jersey	8 cents
Colorado	6 cents	New Mexico	8 cents
Connecticut	8 cents	New York	8 cents
Delaware	6 cents	North Carolina	8 cents
Dist. Columbia	6 cents	Ohio	6 cents
Florida	8 cents	Oklahoma	4 cents
Georgia	6 cents	Oregon	10 cents
Guam	12 cents	Pennsylvania	6 cents
Hawaii	12 cents	Porto Rico	12 cents
Idaho	8 cents	Rhode Island	8 cents
Illinois	4 cents	Samoa	12 cents
Indiana	4 cents	South Carolina	6 cents
Kansas	4 cents	South Dakota	4 cents
Kentucky	6 cents	Tennessee	6 cents
Louisiana	6 cents	Texas	8 cents
Maine	8 cents	Utah	8 cents
Maryland	6 cents	Vermont	8 cents
Massachusetts	8 cents	Virginia	6 cents
Mexico	12 cents	Washington	10 cents
Michigan	4 cents	West Virginia	6 cents
Minnesota	4 cents	Wisconsin	4 cents
Mississippi	6 cents	Wyoming	6 cents

ASPARAGUS

(One ounce will sow forty feet of drill. For asparagus roots, see page 38.)

Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give abundant supply for any ordinary family. Soak the seed 4 hours in tepid water; sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for free circular giving instructions for making an asparagus bed.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, that produces shoots which are white and stay white as long as fit for use. Is more robust and vigorous in habit, and throws up larger shoots and fully as many as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 60c.

PALMETTO.—Stalks frequently measure 2 inches in diameter, and even when 12 inches long are perfectly tender when cooked. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

ARTICHOKE

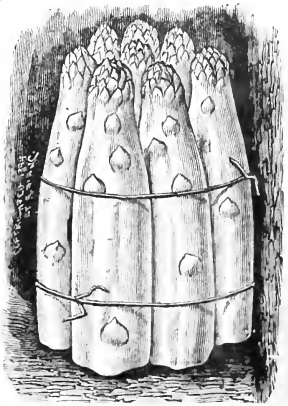
This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of their most prominent table vegetables in California and other parts of this country. It is a perennial producing the large flower heads, which are the part eaten, the second season and every year thereafter. The young stalks are also sometimes tied and blanched like celery, but they are not equal to the flower heads. Cook like asparagus and serve with cream or butter sauce. Sow seed early in hotbeds or box in the house, and when weather becomes settled transplant in rows four feet apart and two feet in the row. When started early sometimes blooms the first year.

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green; very thick, fleshy. Pkt. 10c; oz. 35c, ¼ lb. $1.00.

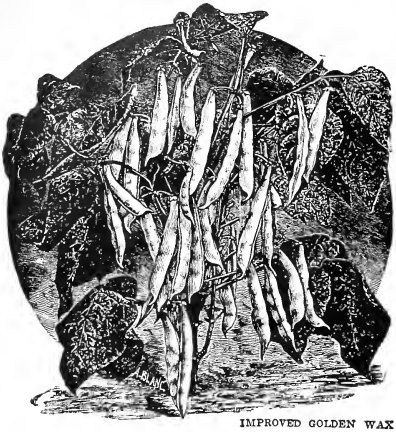


LARGE GREEN GLOBE ARTICHOKE

ASPARAGUS ROOTS IN ONE- AND TWO-YEAR-OLD PLANTS OFFERED ON PAGE 38.



COLUMBIAN MAMMOTH ASPARAGUS



IMPROVED GOLDEN WAX

BEANS

Dwarf Bush Varieties

(One quart will sow 100 feet of drill.)

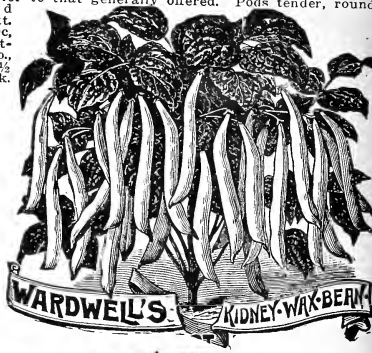
Dwarf or bush beans require no support and should be planted in drills an inch and a half deep and drop the beans three inches apart in drills. Beans are tender annuals and cannot be planted until danger of frost is past. A sandy loam is the best. Packages contain about two ounces. Prices include postage at pound rates. Larger quantities than one pound go at customers' expense for transportation. If wanted by parcel post, add postage according to table on page 3. All varieties of beans are scarce.

Write for Prices on Large Quantities.

WAX POD SORTS

IMPROVED GOLDEN WAX.—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a dark, rich golden yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 60c, ½ pk. $1.25, pk. $2.00.

GERMAN BLACK WAX.—This strain of Black Wax is in our opinion superior to that generally offered. Pods tender, round, fleshy and stringless. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 60c, ½ pk. $1.25, pk. $2.00.



DAVIS WHITE WAX.—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardiness and productiveness. One of the best for shipping as snap beans and of the greatest value as a market variety. The length, uniformly perfect shape and fine color of the pods and the clear, white seed, make this one of the best for canners. It is just what they want: a long, straight, clear white pod which does not discolor in canning. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 60c, ½ pk. $1.25, pk. $2.00.

WARDWELL'S KIDNEY WAX.—One of the earliest and most productive of all wax beans. Yields large crop of long, nearly straight, broad and creamy white, handsome pods. They are of good quality and always command a ready sale. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 60c, ½ pk. $1.25, pk. $2.00.

GREEN POD SORTS

STRINGLESS GREEN POD.—A stringless green pod bush bean. Surpasses all others in crisp, tender flavor. Finely shaped, long green pods, absolutely stringless; ready to market two weeks earlier than the Valentines. Of immense value, not only to market gardeners but also to amateurs who seek a rare quality early bean for home use. Pkt, 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 60c, ½ pk. $1.25, pk. $2.00.

LONG YELLOW SIX WEEKS.—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 45c, ½ pk. 85c, pk. $1.50.

IMPROVED EARLY VALENTINE.—For many years the standard green pod variety. Very popular. About ten days earlier than the common Early Valentine. In addition, is more robust and vigorous and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within thirty-five days after planting. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 45c, ½ pk. 90c, pk. $1.75.



STRINGLESS GREEN POD



IMPROVED VALENTINE

LARGE WHITE MARROW.—Fine as shelled bean. Beans are ivory white and double as large as Navy. Especially fine if used as soon as ripe, boiled or baked. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 40c, ½ pk. 75c, pk. $1.40.

IMPROVED NAVY, or Boston Pea.—An improvement over the old-time Navy Bean. Pkt. 5c, ¼ lb. 10c, lb. 20c, postpaid. By express, 3 lbs. 40c, ½ pk. 70c, pk. $1.25.

PROLIFIC TREE, or California Branch.—A valuable variety for field culture. It grows about 20 inches high, has stiff, upright branches and bears immensely; sometimes yields 45 bushels per acre. The beans closely resemble White Navy and are marketed in the dry state on equality with that variety. Pkt. 5c, ¼ lb. 10c, lb. 20c, postpaid. By express, 3 lbs. 40c, ½ pk. 70c, pk. $1.25.

I have always been well pleased with seeds received from you and can recommend them to anyone desiring first-class seeds.—Mrs. Elsie Ratliff, Geneva, Iowa

I wish to thank you and tell you what I think of your seeds. I have the acknowledged finest garden in all our neighborhood.—Mrs. A. J. Darrow, Doron, Ills.

I received the last order in good shape and well pleased with it. Will favor you next spring—Bertha Huston, Lenexa, Kansas.

We have never made any mistakes in making purchases of the Iowa Seed Co.—O. B. Barber, M-D., Zanesville, Ohio.



Pkt. 5c, ¼ lb. 10c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75.

ERFURT EARLY PROLIFIC BROAD.—We have inquiries for the English Broad Beans, but the leading variety, the Broad Windsor, does not succeed well in this country. The Erfurt is a greatly improved variety, very much earlier, more prolific and resists drouth better than any other kind. This new sort has from five to nine beans of large size and delicate flavor. The plant is of robust, upright growth, entirely different from any ordinary variety of beans. Pods measuring 10 to 12 inches in length are not uncommon and they are broad and of handsome appearance. Plant in rows about 2 feet apart, and 6 inches apart in the row, covering 1½ to 2 inches deep. Top of stalk should be nipped off as soon as plants begin to flower, as this induces earliness. Pkt. 10c, ¼ lb. 15c, lb. 35c, postpaid. By express, 3 lbs. 60c, ½ pk. $1.10, pk. $2.00.

BEANS—Continued

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature dry shelled beans here, but yields a crop of green ones. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 50c, ½ pk. $1.00, pk. $2.00.

HENDERSON'S BUSH LIMA.—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common bush bean; is at least two weeks earlier than any of the climbing Limas; produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75.



BURPEE'S BUSH LIMA

CHINESE SAGO BEANS.—A very small variety from China, which is quite a curiosity. Pkt. 10c, ¼ lb. 20c, lb. 50c, postpaid.

SOY BEANS AND COW PEAS
for forage and hay crops are listed on page 56.

POLE BEANS

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.

OLD HOMESTEAD.—Is also known to some of our customers as Kentucky Wonder. Increasing in popularity each year. We recommend it as among the most productive varieties, while for snap beans it is unsurpassed in quality. If you can find any place for pole beans give this variety a trial. It has reached first place on the list solely on its merit as it is enormously productive, pods hanging in great clusters from top to bottom of pole. Entirely stringless; pods of silvery green color. Can be grown with corn to good advantage. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 50c, ½ pk. $1.00, pk. $1.75.



OLD HOMESTEAD

west and south, and is of good quality and a good yielder. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 50c, ½ pk. $1.00, pk. $1.75.

GOLDEN CLUSTER WAX.—Generally considered the best of all wax pole beans. It bears profusely its long, golden yellow pods in clusters of from three to six, from the bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. They are quite flat but fleshy, absolutely stringless, very brittle and delicious. Crop very small this year and may not supply the demand. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 65c, ½ pk. $1.25, pk. $2.25.



GOLDEN CLUSTER WAX

KING OF THE GARDEN LIMA.—An improvement on the large White Lima, producing a continuous bloom and fruitage to the end of the season. Pods are of enormous size. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 50c, ½ pk. $1.10, pk. $2.00

WHITE DUTCH CASE KNIFE.—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 50c, ½ pk. $1.00, pk. $1.75.

YARD LONG.—A great curiosity but withal an excellent variety. Produces pods 18 to 24 inches long. Specimens in our trial grounds last season reached the enormous length of four feet. Splendid for use in green state as the pods are exceedingly tender and of fine flavor. Pkt. 10c, ¼ lb. 25c, lb. 65c, postpaid.

SCARLET RUNNER.—Valuable for table use or as an ornamental vine. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs 60c, ½ pk. $1.25, pk. $2.00

ARABIAN RUNNER.—Similar to the Scarlet Runner. Flowers white, striped scarlet. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid.

LAZY WIFE.—One of the most popular pole beans and we presume it derived its name from its immense productiveness, and from the ease with which they are cooked. The pods, of medium dark-green color, are produced in great abundance, and measure from 4½ to 6 inches in length. The pods retain their rich, tender and stringless qualities until nearly ripe, when the beans are large, round, plump and cook quickly so that they make excellent winter shell beans. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 65c, ½ pk. $1.25, pk. $2.25, bu. $8.00.

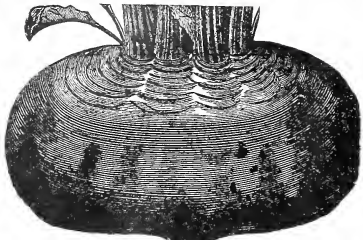
SPECKLED CUT SHORT.—The old-fashioned cornfield bean so popular and often so difficult to obtain. It is a favorite because it seems to thrive among the corn better than most pole varieties.
This is a great advantage to those who must depend upon the corn for support of running beans. It is well known and very popular with planters in the middle



BEETS

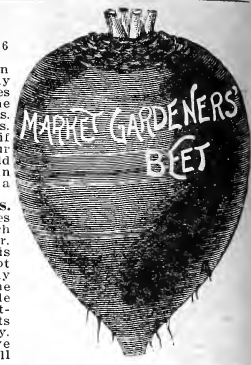
(One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.)

For early, sow as soon as ground can be worked, and about the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. Seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.



CROSBY'S IMPROVED EGYPTIAN

IMPROVED MARKET GARDENERS.—Undoubtedly one of the best varieties ever introduced, and receives much praise from our customers each year. As will be noted by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Garneners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find it the best beet for early market, the best beet for winter use. Owing to the small tops, permitting them to grow close together, and the popular shape of the bulb, it is the most profitable beet for the market gardener and family gardens. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety. Great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth with small tops and small tap root. Takes on its turnip shape and looks well even in early stages of growth. It is preferred for forcing to any other variety, therefore this is a decided advantage for a market where beets are sold in bunches. Very popular with Des Moines market gardeners for this purpose. Being a rapid grower, it may be sown outside as late as July. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

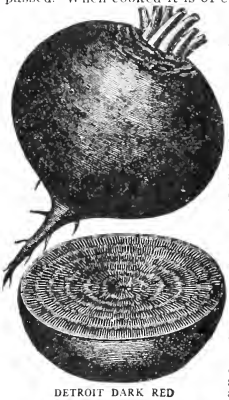
EARLY CRIMSON GLOBE.—A very early variety, of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is of rich, deep red color, shading to purple. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive on the table. Of uniform shape and size. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



ECLIPSE.—This variety has become exceedingly popular and is one of the best early sorts. It possesses all qualities requisite in a first-class beet, and is of uniform globular shape. Roots a bright, glossy red, fine grained and delicious. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

DEWING'S IMPROVED BLOOD TURNIP.—Improvement on the old Early Blood Turnip. Globe-shape, deep blood red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

GOLDEN GLOBE.—A choice European variety fully equal, and by many considered superior to the red sorts in sweetness and flavor, but both the skin and flesh are of bright yellow color. When cut up in a dish with the red beets, they make a handsome contrast. They mature early and are so sweet and nice that they should become popular. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

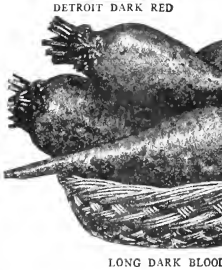


DETROIT DARK RED

DETROIT DARK RED.—One of the best varieties grown for main crop. Its roots are round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red, the flesh is also dark red and is sweet and tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

LONG DARK BLOOD.—Our stock of this standard sort is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

MIXED TABLE BEETS.—Containing several varieties which will mature in succession so that one planting will give a supply all summer. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



LONG DARK BLOOD

GIANT LUCULLUS CHARD.—Chard beets are growing in popularity. As two different dishes can be prepared from a single plant its utility is at once apparent. By noting our illustration it will be seen that the thick, broad stalks are as large as rhubarb. They are prepared and served in the same manner as is asparagus. The leaves are used for "greens," and are considered by a great many superior to spinach for this purpose. When the plants are grown on rich soil, enormous stalks and leaves are produced. These are exceedingly tender and are very easily prepared. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



GIANT LUCULLUS CHARD BEET

SWISS CHARD, or Silver Beet.—The dark green leaved variety, is superior to common beet for greens. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

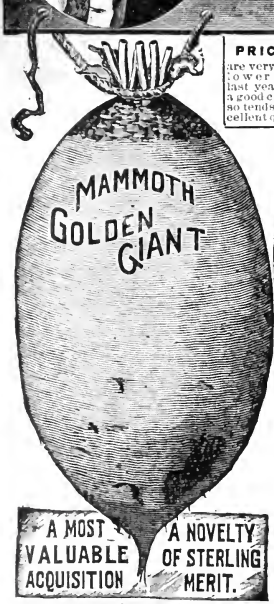
I find your seeds as satisfactory in this climate as I did back East. They are the best I ever used. Mrs. S. S. Foster, Mendota, Cal.



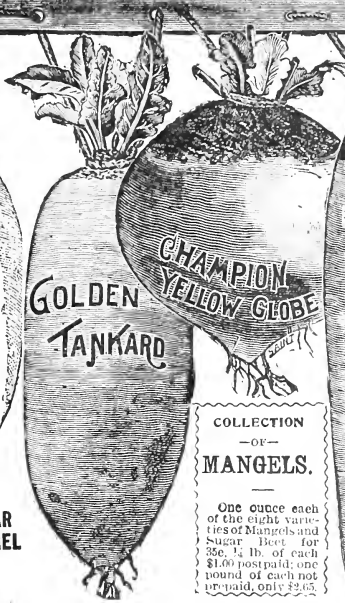
MANGEL & SUGAR BEETS FOR STOCK

EXTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stockraiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than $50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.

PRICES are very much lower than last year, and a good crop all so tends to excellent quality









A MOST VALUABLE ACQUISITION

A NOVELTY OF STERLING MERIT.

COLLECTION —OF— MANGELS.

One ounce each of the eight varieties of Mangels and Sugar Beet for 35c, ¼ lb. of each $1.00 postpaid; one pound of each not prepaid, only $2.65.

MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow. Remarkably even in shape, rather elongated, of vigorous growth; has a fine neck and very smooth skin; flesh white, firm and sweet; much liked by cattle. It is a most excellent keeper; yields 40 to 60 tons per acre. Oz. 5c, ¼ lb. 15c, lb. 50c. By express, not prepaid, 5 lbs. for $1.75.

CHAMPION YELLOW GLOBE.—The finest type yellow globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained renders it an excellent keeping variety. Well adapted to shallow soils and has a record of producing **100 TONS PER ACRE.** This immense crop was grown by sowing seed in drills 11 inches apart and thinning to 10 inches in the row. Our seed of this variety is particularly choice. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

GIANT SLUDSTROP.—This is a variety of exceptionally even growth, showing careful production of stock seeds for many years. Color is reddish yellow, excellent in shape, which resembles Golden Tankard, and is superior to that popular sort in every way. Contains more sugar, grows larger, more above ground and is therefore easier to harvest. It is the best of all mangels for feeding purposes. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.



KLEIN WANZLEBEN

DIGNITY LONG RED.—Improvement on the Mammoth Long Red by careful selection for a number of years. Stands head and shoulders above all other varieties of mangels, unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation and if you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. at 35c per lb.

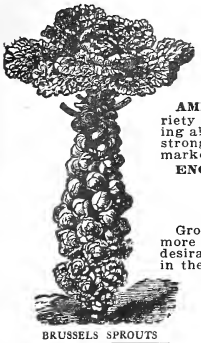
GIANT HALF SUGAR MANGEL.—A hybrid or cross between the Mammoth Long Red and Sugar Beet, and for our own feeding we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. Per oz. 5c, ¼ lb. 15c, lb. 50c. By exp., 5 lbs. or more at 35c per lb.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers. It is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels eat white, circled with yellow, but this is of a rich, deep yellow throughout. Early, hardy, a heavy cropper, and on account of shape the roots can grow close in rows. Oz. 5c, ¼ lb. 15c, lb. 45c. By express, 5 lbs. or more at 30c per lb.

KLEIN WANZLEBEN SUGAR BEET.—This is the variety which is cultivated for the beet sugar factories as it usually yields fifteen to twenty per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is grown in Germany from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. at 35c per lb.

LANE'S IMPERIAL SUGAR BEET.—An improvement on the White French Sugar Beet, containing about 1 per cent of sugar. Greatly liked for stock feeding. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

BRUSSELS SPROUTS



BRUSSELS SPROUTS

(One ounce will produce about 3,000 plants.)

Of the cabbage family, producing numerous heads on the stem, of most delicious quality, as well as the cabbage-like head at the top. Use and cultivate the same as winter cabbage.

AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It makes stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c; oz. 35c; ¼ lb. $1.00.

ENGLISH.—Pkt. 5c; oz. 15c; ¼ lb. 45c.

Use Slug Shot on Cauliflower to kill the worms.
See Insecticide Dept.

BROCCOLI

(One ounce will produce about 3,000 plants.)

Growth and habit like the cauliflower, except that it is more hardy, and the heads are not as compact. It is not desirable for warm or dry countries, but is of special value in the north. Cultivate and use the same as Cauliflower.

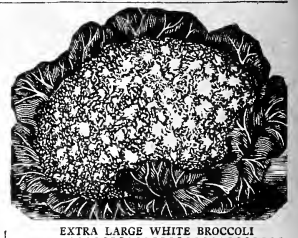
EARLY LARGE WHITE.—The most popular sort. Has medium sized creamy white heads. Pkt. 5c; oz. 35c.

COLLARDS

(One ounce will produce about 3,000 plants.)

Collards are largely used as "greens" in some parts of the country, especially the South. They are a form of loose-headed cabbage.

GEORGIA.—The most satisfactory variety for general use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

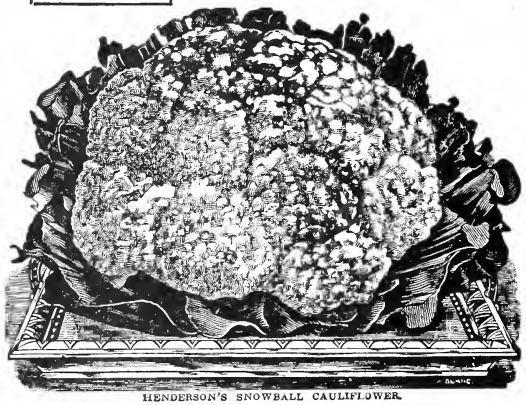


EXTRA LARGE WHITE BROCCOLI

PANTRY SHELF COLLECTION
OF GARDEN FRUITS

For the housewife who desires a diversity of good things for the table during winter. Will take the place of fruits when they are not obtainable, and will afford an appreciated variety for the family larder.

One pkt. each of Yellow Ground Cherry, Garden Lemon, Apple Pie Melon, Garden Huckleberry, Golden Nugget Tomato and Lemon Cucumber, postpaid for only 35 cents.



HENDERSON'S SNOWBALL CAULIFLOWER.

I want to thank you for your promptness and excellent seeds, We have always been perfectly satisfied with everything purhased from you, Mrs. W. Beck, Marathon, Iowa.

I have always got the best results buying seed from your firm, and you can count on me staying with you. Stanley Fropt, Paris, Illinois.

I have been using your seeds for ten years, and I have had the best of success. I am sure there are none better. S. C. Zirschky, Graff, Missouri.

I think your catalogue is a very good one, and your Bargain Collection cannot be beat,—Florence Upham, Cliftondale, Mass.

I have purchased seed of your house for a number of years, and they have given good satisfaction. The packets are extra large. George M. Smith, Charlotteville, New York.

I bought vegetable and flower seed of you last year, and had better results from them than any I have ever bought. M. Thompson, Kahoka, Missouri.

I have gotten my seed from the Iowa Seed Company for twelve years and have always had such a fine garden. Mrs. Emma Kinser, Oxford, Nebraska.

CAULIFLOWER

(One ounce will produce about 3,000 plants.)

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are quite similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As flower heads appear the large leaves should be broken down over them to shield them from the sun and rain.

DANISH GIANT.—Has become a strong competitor for first place. Originated in same locality in Denmark which produced Snowball. Heads extra large, pure white and very solid. Has large leaves which protect the head. About ten days later than Snowball, but has proven more desirable for growing in open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, dryest weather. One grower, probably the largest grower of cauliflower in the country (having crop of 90 acres), tested Danish Giant and placed his entire order for this variety. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Pkt. 15c, ¼ oz. 65c, oz. $2.25.

HENDERSON'S EARLY SNOWBALL.—Considered throughout the country the earliest of all cauliflowers, and more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. It is grown where this variety originated by a grower we believe to be the best in the world. Pkt. 15c, ¼ oz. 65c, oz. $2.25.

EXTRA EARLY DWARF ERFURT.—Is valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c, ¼ oz. 50c, oz. $1.75.

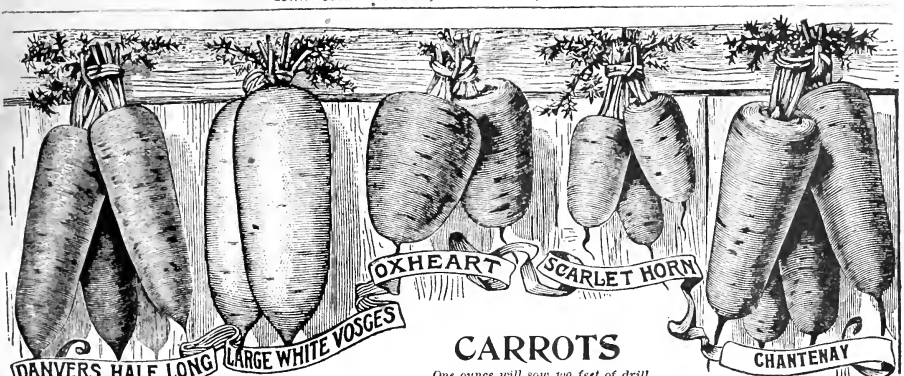
EARLY PARIS.—Well known small sort which is usually quite satisfactory. Price is so low this year that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

LENORMAND'S.—A late variety of large size; fine quality. Pkt. 10c, oz. 60c.



DANISH GIANT CAULIFLOWER.

CAULIFLOWER PLANTS OF BEST VARIETY ARE OFFERED ON PAGE 38 OF THIS CATALOGUE



CARROTS

One ounce will sow 100 feet of drill, 3 or 4 pounds for one acre.

One indispensable root for the farm, deserving of more general cultivation. Well managed, no crop pays better, and most farmers would find an acre or so desirable. A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early sow in the spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from middle of April to first of June. A light, sandy loam, deeply tilled, is best; seed is slow to germinate; use care to firm soil after sowing. Average 800 to 1,000 bushels per acre.

EARLY SCARLET HORN.—Favorite extra early variety. Very early. Orange-scarlet, fine grained, and agreeable flavor. Top small, short, stump-shaped root; grows well in shallow soil. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

OXHEART, or Guerande.—Most valuable variety in existence. Intermediate between Half-Long and Horn sorts; diameter 3 to 4 inches at neck; beautiful shape; rich orange color. Easily pulled, early as any, best quality all season. Fine for stock; has yielded 1,200 bushels per acre. Cut the tops with scythe; pull with potato hooks. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

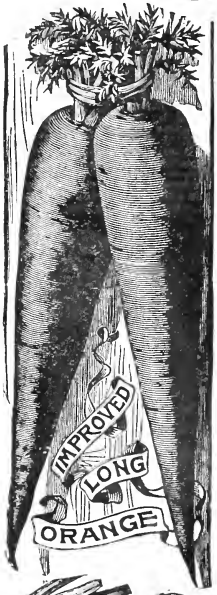
CHANTENAY.—The most desirable early variety for bunching and, although a trifle later than the first earlies, still will yield so much handsomer roots and larger crop that everyone is pleased with it. A splendid variety for either market or feeding purposes. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth and the flesh very close texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with smallest length of root of any grown. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

IMPROVED LONG ORANGE.—Desirable for garden or field. Grows to large size, averaging 12 inches in length and 3 inches in diameter at the top. This is the standard long variety, preferred to Victoria by some because of its deeper orange color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

LARGE WHITE VOSGES, or Improved Short White.—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety cultivated; roots remarkably fine, light orange, symmetrical, excellent quality, of high feeding properties; good keeper; heavy cropper on all soils; best adapted for rich land; **grows half as much weight again per acre as ordinary sorts**; grows well out of ground; easily harvested. All who have cattle should raise a quantity of carrots for feeding milch cows in winter. It increases the flow of milk and gives to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in health and condition. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.



STOCK FOOD COLLECTION

BETTER THAN CONDITION POWDERS OR STOCK MEDICINES

The live stock thrive better and keep in the best condition when they have a diversified ration, of green pasture and vegetables in addition to their regular grain feed. We offer you in this collection rape for summer pasture and pumpkins and roots for fall and winter feeding when the pastures are gone. We give you enough seed to produce vegetable feed for 25 to 30 animals during the entire season and we believe it will prove a most profitable investment to any farmer who keeps live stock. The list includes:

4 lbs. Dwarf Essex Rape (1 acre for pasture).
1 lb. Big Tom Pumpkin (4 acres in the corn).
2 lbs. Giant Sludstrop Mangel (½ acre).
½ lb. Victoria Carrots (¼ acre).
½ lb. Golden Ball Turnip (¼ acre).

PREPAID, ANY ADDRESS, $2.50.
By express, not prepaid, only $1.75.

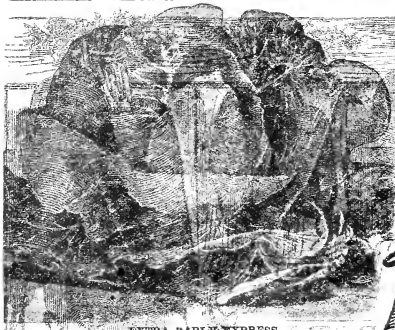


THERE IS NOT ENOUGH ATTENTION PAID TO ROOT CROPS BY LIVE STOCK RAISERS

CABBAGE

One ounce will produce about 2,500 plants. Set 6,000 to 10,000 plants per acre, in early sorts, and 6,000 of large late kinds.

No vegetable is of greater importance than cabbage, and compared with the cost of seeds, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about sixteen years past, and it has proven of uniformly excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least this surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds in February or March, or in open, shallow drills six inches apart. When the plants are four inches high transplant to rows three feet apart. One packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

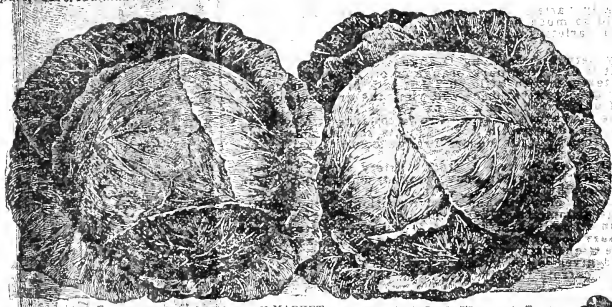


EXTRA EARLY EXPRESS

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

BURPEE'S ALL-HEAD EARLY.—This is the earliest of the flat-headed cabbages, of larger size than early varieties generally, of perfect shape and it makes exceptionally solid heads. It was originated by the late C. L. Allen, of Long Island, N. Y., but named by Mr. Burpee, who purchased the first crop and gave it his name. Our seed is grown from the original stock by Mr. Allen's son, who continues the business, so that we have as good stock as can be purchased. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.00.

We have used your seeds for many years in Iowa and since coming to Colorado we still want them—we find no other as good and pure.—Mrs. Malinda Fox, Pueblo, Colo.



COPENHAGEN MARKET

COPENHAGEN MARKET.—A splendid new early flat head cabbage. Matures almost as early as Jersey Wakefield, averages 10 lbs. in weight, has few leaves and is remarkably hard and solid. Grows compact, takes but little room and matures with a short stem. Has proven its excellence in four year trials. We tested it and proved it on our own farms before offering it to our trade. We recommend it without reservation. It is a carefully bred variety from Denmark and the type and quality are thoroughly fixed. Pkt. 10c, oz. 35c, ¼ lb. $1.25, lb. $4.00.

HENDERSON'S SUCCESSION.—An excellent variety of large size and with flat head maturing in midsummer. It can be brought to perfection in the hottest weather or used as an autumn or winter crop. Heads 10 or 12 inches in diameter, frequently larger, average about 12 lbs. Many varieties are offered as a second early cabbage but when the results are compared we believe the Succession will prove the best in general excellence. Pkt. 5c, oz. 25c, ¼ lb. $1.00, lb. $3.50.

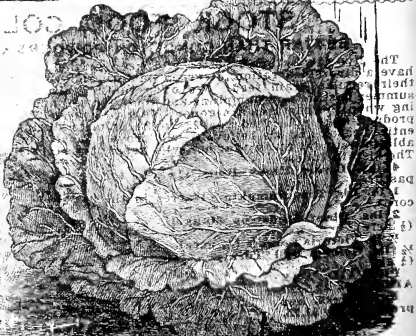
ALL SEASONS.—(Vandergaw).—This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-seasons variety, fine for summer market and heads are large, thick and solid that it is excellent for keeping through the winter. If desired for winter plant later than for extra early market. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

Our garden is doing fine and I think every seed one up that we bought from you. We have always had satisfactory results from all seeds purchased of you.—Frank C. Doty, Woodlands, W. Virginia.



EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is highest quality, American grown. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

NEW WASHINGTON WAKEFIELD.—A grand variety, a trifle later than Jersey Wakefield; produces much larger heads, of perfect pyramidal shape, very solid, with few outside leaves. One cabbage grower, who is enthusiastic in its praise, says: "It is first in head, first in market, and first in the hearts of gardeners." It grows remarkably uniform, heads large and of even size and shape, and we recommend for market or family garden. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.



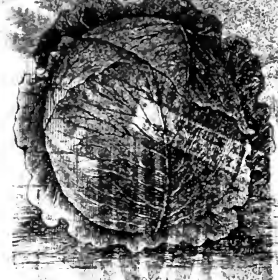
HENDERSON'S SUCCESSION

CABBAGE---Continued

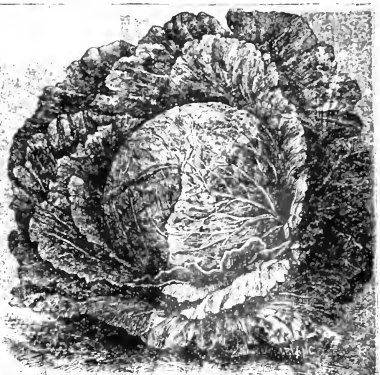
SUREHEAD.—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. Strong, vigorous grower; owns late. First-class main crop sort. Is of the Flat Dutch type but heads are somewhat rounded in form. Heading Sort we all known. Sure to please. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

PRIZE MARKET FLAT DUTCH.—This old and well-known variety is still the standard winter kind. Heads large, solid and first-class keeper. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.

VOLGA.—For uniformity in growth, shape of head and hardiness we have never seen its equal in a large heading variety. Plant is nearly all head, having few outside leaves. The heads are nearly as round as a ball, hard and solid as Danish Ballhead, much larger and heavier. In a field of three acres in size, Iowa Seed Co. found not a single plant thrown out or one that showed any variation from the true type. Quality is very fine both for cooking and kraut. Can be set out in the middle of July in this latitude; will mature large, solid heads in October. Plants are so compact that they can be set out 15x3 feet and will produce enormous crops on good land. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. $3.00.



VOLGA



SUREHEAD

IOWA SEED CO.'S SHORT-STEM DRUMHEAD.—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past 10 years, and so greatly has it improved during the time that we have had it in charge that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth, and even, large, solid heads it far surpasses any other strain of late cabbage, ripening evenly, with very short stem or stalk, and large, thick heads of silky fine quality of best keeping properties. Almost all head and always sure to head. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

IMPROVED DANISH BALLHEAD or Hollander.—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp, with little waste heart. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

WINNINGSTADT.—This is a conical-shaped summer sort which can also be used for winter keeping if it is planted late. It is a sure header, solid and of excellent quality, and is generally preferred among cone-shaped sorts for a second crop. Has been a standard variety for many years. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.

Your seeds were very satisfactory last year. Had the finest garden on the block in quantity.—Mrs. F. W. Smith, Wagner, Iowa.



I. S. CO.'S SHORT STEM DRUMHEAD

Every package of seed I got from you was A No. 1 in every respect. I raised the finest vegetables I ever raised in my life. The Washington Wakefield and Short Stem Drumhead cabbages are a pair that is hard to beat.—Saml. J. Miller, Linn County, Iowa.

We have been buying seeds of you for about eight years and have very best of satisfaction.—W. B. Swift, Champaign County, Ill.

Use Slug Shot for Cabbage Worms
See Insecticide Dept

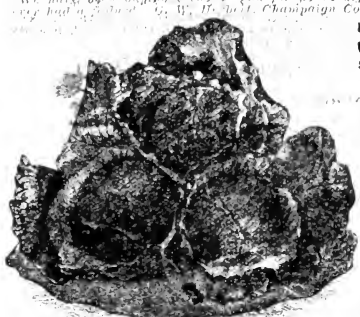
OUR AMERICAN GROWN CABBAGE
Is not surpassed by any of the world. It has given satisfaction to our customers for many years.

RED AND SAVOY CABBAGE

MAMMOTH RED ROCK.—Market gardeners' strain of unusual size, solidity, color. Its large size, solidity and good quality make it a very desirable red cabbage. Pkt. 5c, oz. 20c, ¼ lb. 90c, lb. $3.00.

ZENITH RED.—Medium early, medium size, handsome dark red color, by far most attractive red sort. Its small ribs and thin leaves very close together make it extra solid. Pkt. 5c, oz. 20c, ¼ lb. 90c, lb. $3.00.

PERFECTION DRUMHEAD SAVOY.—The Savoy cabbages have curled leaves and are of finer flavor and quality than the ordinary kinds. Our strain is a sure header and heads are large and solid. Pkt. 5c, oz. 20c, ¼ lb.



DANISH BALLHEAD



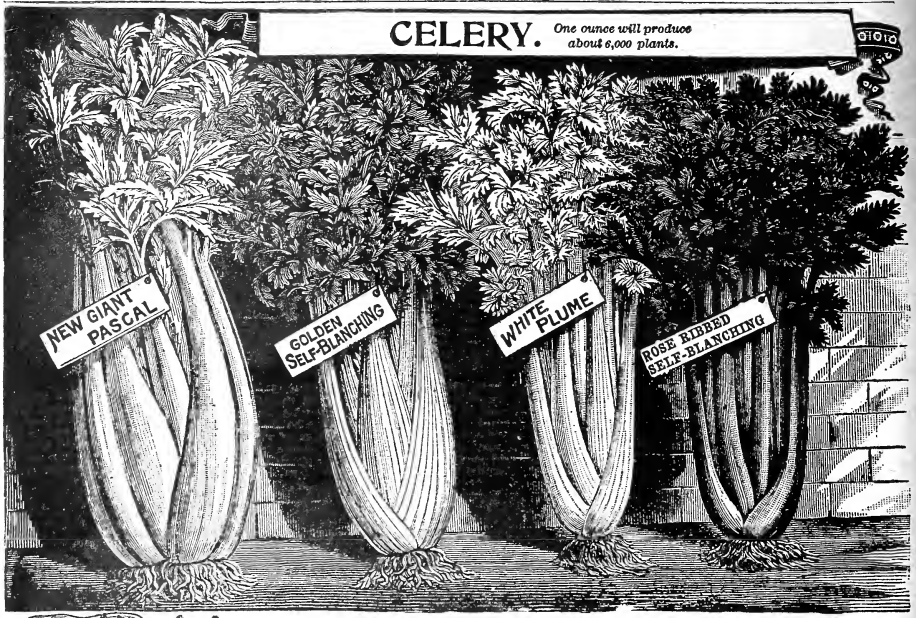
PERFECTION DRUMHEAD SAVOY

ZENITH RED, 20c, lb. $2.00.

CABBAGE PLANTS OF BOTH EARLY AND LATE VARIETIES ARE OFFERED ON PAGE 38

CELERY.

One ounce will produce about 6,000 plants.





WINTER QUEEN.

This we consider one of the luxuries of the garden. For first crop sow seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April or soon as soil is in good condition. Seed germinates slowly and if the weather is hot and dry protect with light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly, shear the tops off when about 4 or 5 inches high and this will make them more stocky. For main crop set plants out between June 15th and July 15th, in rows 3 feet apart and plants 6 inches apart in the row. Care should be taken to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August when it will be time to begin earthing up. Draw the soil up against plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging soil from between rows and banking clear to the tops on each side of the row of celery. Much labor is saved by growing the self-bleaching varieties. They are easier to grow but do not do quite so well.

WHITE PLUME.—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with soft twine. More used than any other by gardeners. Our seed highest quality. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.

GOLDEN SELF-BLANCHING.—By far the most popular sort on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. Pkt. 10c, oz. 75c, ¼ lb. $2.25, lb. $7.50.

ROSE-RIBBED SELF-BLANCHING.—Is a sport from the Golden Self-Blanching, having all its good qualities, with the additional attraction of beautiful rose-tinted ribs, making it very handsome. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. $3.00.

GIANT PASCAL.—A selection from the Golden Self-Blanching, and adds to the quality of its parent superior keeping qualities. Stalks very large, solid, crisp and of a rich, nutty flavor. Blanches very easily and quickly. Heart is golden yellow, very attractive. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.

WINTER QUEEN.—Finest dwarf celery. Rich green coloring, readily blanched; ready for use in fall, and is specially adapted for winter storage, as it will keep in good condition until May. Large bunches of heavy stalks of even length; best table quality. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.25.

GIANT PRAGUE CELERIAC.—Instead of producing long leaf stalks like ordinary celery it has a turnip-like root with the true celery flavor and is greatly liked by all who have tried it. Giant Prague is the largest, smoothest and best sort. Excellent for salads and flavoring. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $1.75.



GIANT PRAGUE CELERIAC

CELERY SEED FOR FLAVORING PURPOSES. WILL NOT GERMINATE OZ. 5c, ¼ LB. 15c, LB. 50c

CUCUMBER

(One ounce will plant 50 hills, two pounds will plant one acre.)

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime, or use Slug Shot, to protect them from bugs.



EARLY EXPRESS.

EARLY EXPRESS.—We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy. It is by all odds the earliest variety in existence. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

IOWA STANDARD

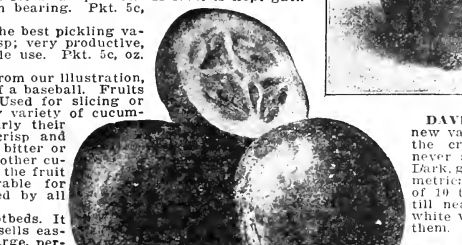
IOWA STANDARD.—The handsomest of long green varieties. Color is beautiful dark green, and they do not turn yellow with age. Fruits measure 12 to 15 inches in length and are smooth and symmetrical. Flesh is firm, crisp, white, and the flavor is most excellent. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

IMPROVED CHICAGO PICKLE.—Variety which originated with a leading pickle grower near Chicago; is considered the best variety there; very prolific; matures early; produces immense number of desirable shaped pickles. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

EARLY CLUSTER.—Slim form. Extra prolific, frequently setting in clusters of two and three. Fine for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

GREEN PROLIFIC.—One of the best pickling varieties; dark green, tender, crisp; very productive, of fine flavor and good for table use. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. $1.00.

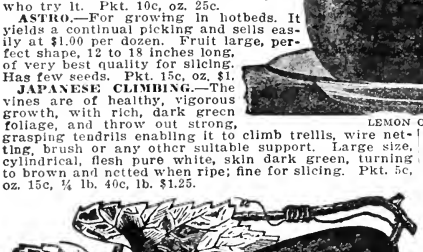
LEMON.—As will be noticed from our illustration, it is round and about the size of a baseball. Fruits produced in great profusion. Used for slicing or sweet pickling as any ordinary variety of cucumber, but have a flavor peculiarly their own, superior to any, being crisp and tender and having none of the bitter or acrid taste sometimes found in other cucumbers. Of best quality when the fruit begins turning yellow. Desirable for use as mangoes. Will be liked by all who try it. Pkt. 10c, oz. 25c.



LEMON CUCUMBER.

ASTRO.—For growing in hotbeds. It yields a continual picking and sells easily at $1.00 per dozen. Fruit large, perfect shape, 12 to 18 inches long, of very best quality for slicing. Has few seeds. Pkt. 15c, oz. $1.

JAPANESE CLIMBING.—The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils enabling it to climb trellis, wire netting, brush or any other suitable support. Large size, cylindrical, flesh pure white, skin dark green, turning to brown and netted when ripe; fine for slicing. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



EMERALD

the table, nearly as early as shorter sorts. Produces very fine, firm fruit about 12 inches long. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

ROLLISON'S TELEGRAPH.—An English forcing variety bearing fruits 14 to 16 inches long. Dark green, smooth, and of perfect shape. Much used and greatly liked by market gardeners for hotbed and greenhouse growing in winter and early spring. Pkt. 15c, oz. $1.00.

WEST INDIA GHERKIN, or Burr.—Makes a handsome pickle of first-class quality. Try it. Pkt. 5c, oz. 20c, ¼ lb. 65c.

SNAKE.—The cucumbers grow curled up like a snake with the head protruding, and some are six feet in length. Are grown chiefly as a curiosity and for exhibition. In pkts. only. Per pkt. 10c.



DAVIS PERFECT.

DAVIS PERFECT.—A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

PERFECT WHITE SPINE.—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps solid and crisp a long time. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

EMERALD.—A new sort which possesses the rich dark green color which has long been sought for but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

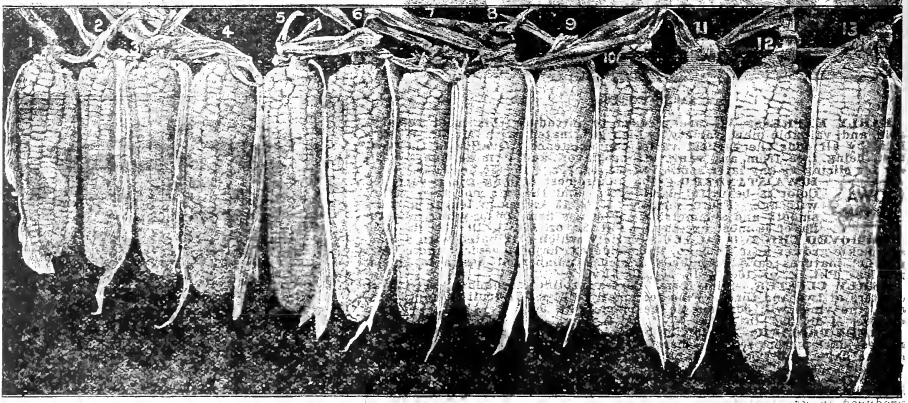
IMPROVED LONG GREEN.—A standard sort. Vine vigorous and productive, forming fruit for



NO. 1—PERFECT WHITE SPINE. NO. 2—IMPROVED LONG GREEN. NO. 3—IMPROVED CHICAGO PICKLE.

SWEET CORN

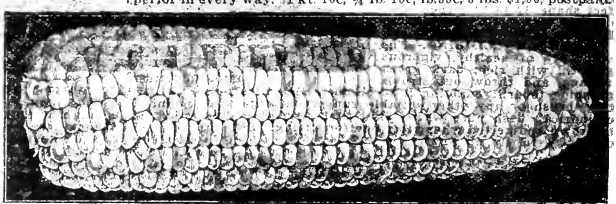
Plant as soon as the ground becomes warm in the spring, in hills about three feet apart, five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed. It is far superior to ordinary stock. We pay postage by the packet or pound. Quantities of three pounds or more go by express or freight at customer's cost for transportation or will be sent by parcel post if you send postage. See page 8.



IMPROVED GOLDEN BANTAM.—(See cut, No. 1.)—This handsome new variety is one of the most delicious of all and it is generally believed to be the richest in flavor. Is extremely early, of hardy, vigorous growth, so that it can be planted quite early. The stalks grow only about four feet high but they bear two or three good ears five or six inches long, of handsome golden yellow color. In flavor it is quite distinct from the white sorts and some have called it as sweet as honey. Give it a trial. Pkt. 5c, ½ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 50c, ½ pk. 85c, pk. $1.40, bu. (50 lbs.) $4.50.

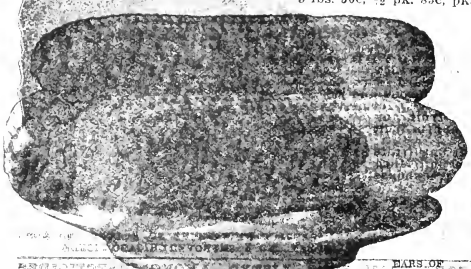
PHARAOH'S DREAM.—(No. 11.)—"And Pharaoh slept and dreamed . . . and behold seven ears of corn came up, upon one stalk, rank and good."—Genesis 11:5. The most productive variety of sweet corn ever sent out. Does not come from an accidental sport, but from a cross of two well-known sorts and selected for a number of years. So frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." It begins bearing almost from the bottom and produces quite long ear stalks from each leaf joint. Ears are large and would sell for Stowell's Evergreen in market. Corn is pure white, tender and of rich, delicate flavor, remaining a long time in an edible condition. Ears form in succession and make a constant supply all the season. Produces better when only one or two grains are planted in a hill. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp. 3 lbs. 50c, ½ pk. 85c, pk. $1.40, bu. (50 lbs.) $4.50.

GOVERNOR GILMAN.—Named for Governor Gilman, of Minnesota, who produced it by crossing Golden Bantam on a larger early white variety of sweet corn of exceptional quality. Both green and mature corn show uneven dotting of white and golden grains as will be noted in our illustration of an ear in its table condition. When cooked the variation does not show so plainly, and it presents a beautiful golden appearance on the table. It is quality that has induced us to give it a prominent place in our list. There is no corn offered so sweet, so tender and fine flavored. When to quality we add good size, earliness and prolific yield we have in our opinion the best of all sweet corn. It will prove superior in every way. Pkt. 10c, ¼ lb 15c, lb.35c, 3 lbs. $1.00, postpaid.

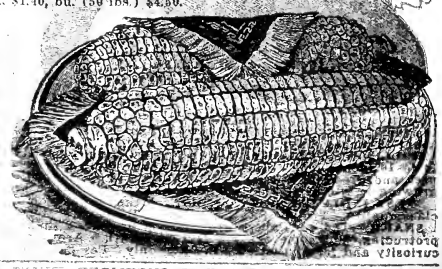


GOVERNOR GILMAN

EARLY SUNRISE.—(No. 5.)—Is a splendid new variety which we introduced. It is undoubtedly the best extra early corn for either private gardens or the public market. The ears are about six inches long, well filled out at the end, and husk covering so completely and being so tight as to prevent working of worms, which are so bad in Cory. Grains fairly deep and set in straight rows on a small white cob; very uniform and handsome. Market gardeners will find Early Sunrise a most profitable and satisfactory sort. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 50c, ½ pk. 85c, pk. $1.40, bu. (50 lbs.) $4.50.

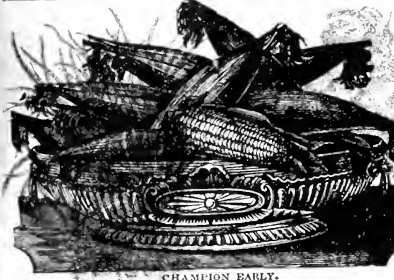


EARS OF PHARAOH'S DREAM



EARLY SUNRISE

SWEET CORN---Continued



CHAMPION EARLY.

express, 3 lbs. 35c, ½ pk. 60c, pk. $1.00, bu. (50 lbs.) $3.50.

CHAMPION EARLY.—(No. 6.)—Earliest large corn ever introduced, maturing only a few days later than the small-eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. Unsurpassed for market gardening or family garden owing to its large size and fine appearance. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 45c, ½ pk. 70c, pk. $1.25, bu. (50 lbs.) $4.00.

EARLY MINNESOTA.—(No. 7.)—A standard variety. Has held its position in the list for a long period of years as a dependable sort. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c, ¼ lb. 10c, postpaid. By express, 3 lbs. 35c, ½ pk. 55c, pk. $1.00, bu. (50 lbs.) $3.75.

CROSBY'S EARLY.—(See Cut No. 8.)—For medium early use and general crop is one of the most desirable sorts. Ears of medium size and cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 40c, ½ pk. 70c, pk. $1.15, bu. (50 lbs.) $3.75.



CROSBY'S EARLY, GENTLEMAN AND STOWELL'S EVERGREEN.

COUNTRY GENTLEMAN.—(No. 9.)—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; 3 to 5 ears to a stalk. In this, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to the kernels, which are pearly white, and we cannot say too often—surpassingly sweet and tender. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 50c, ½ pk. 85c, pk. $1.50, bu. (50 lbs.) $5.00.

BLACK MEXICAN.—(No. 10.)—Although the ripe grain is black, of bluish black, the corn when in condition for table cooks remarkably and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands the hot, dry weather. Pkt. 5c, ¼ lb. 30c, postpaid. By express, 3 lbs. 45c, ½ pk. 75c, pk. $1.25, bu. (50 lbs.) $4.50.

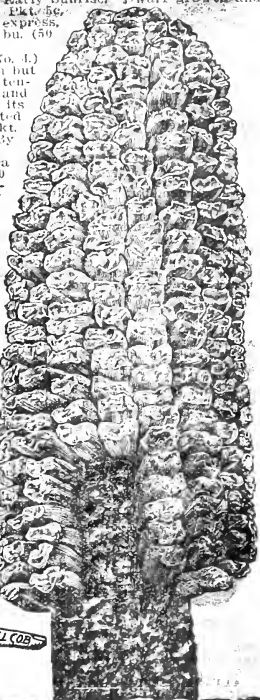


IMPROVED STOWELL'S EVERGREEN.—(No. 12.)—For many years this corn has been the most prominent main crop sort and more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size, and our illustration was made by combining the picture of the lower part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so that they readily show its unusual sweetness. Pkt. 5c, ¼ lb. 15c, postpaid. By express, 3 lbs. 50c, ½ pk. 75c, pk. $1.25, bu. (50 lbs.) $4.50.



MAMMOTH SUGAR.—(No. 13.)—This produces the largest ears of any sweet corn, a single ear sometimes weighing 1 or 2 lbs. Sweet and luscious. Pkt. 5c, ¼ lb. 15c, lb. 50c, postpaid. By express, 3 lbs. 50c, ½ pk. 75c, pk. $1.25 (bu. not quoted). [illegible] $4.50.

EVERGREEN SWEET FODDER.—Particularly selected because it produces a rank and heavy growth, lots of ears, and is ready in July when pastures are short. Will double the cost of your feed bill. Lb. 20c, postpaid. By express, not prepaid, 3 lbs. 30c, ½ pk. 45c, pk. 75c, bu. (50 lbs.) $2.50.



IMPROVED STOWELL'S EVERGREEN.

The Maine State Bulletin, No. 57, states that the Early Sunrise was as early as any variety in their long test and much longer and better than Corn is usually equal to most of the later varieties and the most prolific of all. These stay it is worthy of special mention. Try it this year.

I can sure soon to celebrate your Fiftieth Anniversary, I most heartily congratulate you on the occasion, and thank you for your kind treatment. O. W. Peterson, Harcourt, Iowa.

I have used your seeds. Am pleased with quality, and quantity. Mrs. J. J. Call, Gleason, Tenn.



CURLED CHERVIL

CHERVIL

(An ounce will sow 100 feet of drill.)
Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c, ¼ lb. 40c.



CORN SALAD.

CORN SALAD

(One ounce will sow about 20 square feet.)
A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Pkt. 5c, oz. 10c, ¼ lb. 25c.



CHUFAS

CHUFAS

A nice little ground nut greatly liked by children. Its flavor resembles the cocoanut. Very prolific, a single one yielding 200 to 400 nuts growing just under the ground and easily reached by pigs and poultry if they have access. Grow best in light, sandy soil, well fertilized. Plant in April, 10 inches apart, in 2½-foot rows. Cover lightly. Soak seed before planting if very dry. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

CHILDREN'S CORNER GARDEN

It is not always easy to induce the children to take an interest in the vegetable garden, but all children delight in melons, fruits, nuts and pop corn, and we have made a little collection which will afford them delightful things to eat, and which they will work to produce in order that they may enjoy the fruits of their labor.

1 pkt. Yellow Ground Cherry, sweet and good; **1 pkt. Monarch White Rice Pop corn,** enjoyed by everybody; **1 oz. Chufas or Earth Almonds,** small, sweet ground nuts of delicious flavor; **½ lb. Red Cross Peanuts,** can be grown in any good soil; **1 pkt. Rocky Ford Musk Melon,** always well flavored; **1 oz. Sweetheart Water Melon,** as good as its name. **All the above mentioned for only 40c.**

CURIOUS VEGETABLES

ORNAMENTAL MICE.—This vegetable curiosity is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

CATERPILLARS.—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities and sometimes are put into salads and pickles. Pkt. 10c.

SNAILS.—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 10c.



COTTON

COTTON.—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers, followed by the boll of pure white cotton which interests everyone. Pkt. 5c, oz. 10c.

CARDOON.—A plant grown for its large, thick leaves. Blanched and used like asparagus. Pkt. 10c.

CHINESE TEA.—Many of our customers will be glad to grow this as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blooms; requires same treatment as any tender shrub. Can be kept growing in pots through winter. Pkt. 10c.

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ALPINE STRAWBERRIES.—If sown early, will produce bearing plants the first year. Grown in Europe, where they are ever-bearing, producing all summer. Pkt. 10c.

FRENCH SORREL.—Grown for and used as "greens." Has large light green leaves with mild acid flavor. Fine for salads. Pkt. 5c.



ALPINE STRAWBERRY



MARTYNIA

MARTYNIA. — Also called "Devil's Claw" and "Unicorn Plant." A large ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Pkt. 5c, oz. 30c.

SEA KALE.—Is grown and used like Chard Beets, except that it is perennial and when established can remain for years without renewal. Pkt. 5c, oz. 30c.

SCOLYMUS.—Grown for the roots, which are used like salsify. Roots often 10 to 12 in. long. Can be dug and stored for winter. Pkt. 10c.

COLLECTION OF ODD VEGETABLES.

Persons exhibiting at fairs shou'd grow some of the curiosities of the vegetable family to help make attractive showing. Try and have something different from your neighbors.

Any of the following 10c per pkt.: Cardoon, Scolymus, Ornamental Mice, Caterpillars, Snails, Yard Long Beans and Mixed Peppers.

Any of the following at 5c per pkt.: Martynia, French Sorrel, Sea Kale, Ground Cherry, Chufas, Sesame, Brussell's Sprouts, Swiss Chard, Endive, Okra, Vegetable Marrow, Kohl Rabi, Garden Lemon, Vine Peach, Pomegranate, Mixed Gourds and Cotton. The entire collection of 24 pkts., $1.00.

SESAME.—The Arabian plant producing bean-like seeds from which a valuable edible oil is pressed. Leaves are very good for medicine, being used for dysentery in children. Pkt. 5c, oz. 15c.

WONDERBERRY.—A variety of Solanum very largely advertised. We offer it as a novelty but do not recommend it. It is different from our Garden Huckleberry, which we do not think it equals either in productiveness or edible value. The fruits are about as large as dried peas, blue black in color, with a pecullar flavor relished by some. Pkt. 10c.

CHICORY

LARGE ROOTED.—Used as a substitute for coffee. Cultivate the same as carrots. Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



WITLOOF

WITLOOF. — A delicious winter vegetable which is really a variety of Chicory, but is sometimes called French Endive. It makes one of the finest of all salads and is also excellent boiled. Plant seed in May or June in open ground and in the fall dig the roots and plant them in earth in a dark, cool place in the cellar or under greenhouse bench. By planting deeply in loose soil a more solid head is produced which is very fine. Pkt. 10c, oz. 30c.



UPLAND CRESS

CRESS, or PEPPER GRASS

EARLY CURLED.—Well-known salad. Sow at intervals all season. Pkt. 5c, oz. 10c, ¼ lb. 25c.

TRUE WATER.—Sow seeds along the border of running water. Pkt. 10c, oz. 35c.

UPLAND CRESS.—A perennial variety; hardy, produces well; same flavor as Water Cress. Grown on high, dry land; does not run to seed rapidly. Pkt. 10c, oz. 25c.

WE WILL BE PLEASED TO RECEIVE SAMPLES OF NEW OR RARE VEGETABLES FOR TRYING



IMPROVED NEW YORK EGG PLANT.

EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground 2½ feet apart.

IMPROVED NEW YORK.—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 35c, ¼ lb. $1.20.

EARLY LONG PURPLE. — The earliest variety in existence, being several weeks earlier than the above. Same color as Improved New York, but longer and somewhat smaller. Pkt. 5c, oz. 25c, ¼ lb. 90c.

PEARL WHITE.—Pure creamy white, slight shading of light green near stem; good quality. Pkt. 5c, oz. 40c, ¼ lb. $1.40.



GIANT FRINGED ENDIVE.

ENDIVE

(One ounce will sow about 60 sq. ft.)

Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are 8 inches long tie together with a string near top to blanch.

GREEN CURLED.—Has finely cut leaves and makes a handsome plant. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

GIANT FRINGED.—Also called winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, and the leaves are beautifully curled, and of best quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.50.

GOURDS

Cultivate like cucumbers; they may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best of nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 20c.

DIPPER.—Makes a lighter and more convenient dipper than can be bought. Dippers of various sizes of a capacity from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 20c.

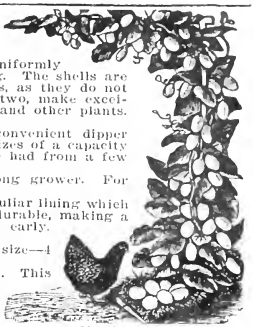
SUGAR TROUGH.—Very large and strong grower. For buckets, etc. Pkt. 5c, oz. 20c.

LUFFA, or Dishcloth.—This fruit has peculiar lining which is sponge-like, porous, tough, elastic and durable, making a natural dishcloth or sponge. Start seed early. Pkt. 10c, oz. 25c.

HERCULES' CLUB.—Grows to immense size—4 to 5 feet in length. Pkt. 5c, oz. 25c.

MIXED UTILITY.—Seeds of above mixed. This is a very popular item with our customers. Many grow them as curiosities, but they are really useful in many ways. They are easily grown and will repay the work expended. Pkt. 5c, oz. 20c.

ORNAMENTAL MIXED.—A mixture of odd-shaped and fancy-colored sorts. Many handsome and useful small gourds in this mixture. Also offered among ornamental climbers in flower seed list. Pkt. 5c, oz. 50c.



Nest Egg Gourd

FLOWER SEEDS FOR BEES



Below we offer you seeds of a few flowers specially desirable for sowing to furnish food for honey bees. They are all heavy producers of nectar, bloom quickly and will bloom the first year from seed, furnishing food during spring and summer and till frost.

Adonis .....pkt. 2c, oz. 15c
Alyssum, Sweet .....pkt. 2c, oz. 25c
Asperula .....pkt. 2c, oz. 25c
Cleome Pungens .....pkt. 5c, oz. 35c
Dracocephalum .....pkt. 5c, oz. 20c
Iberis (Candytuft) .....pkt. 2c, oz. 20c
Matthiola (Evening Stock) pkt. 2c, oz. 25c
Phacelia .....pkt. 5c, oz. 25c
Reseda (Mignonette) ....pkt. 2c, oz. 15c
Sweet Rocket (Hesperis) .pkt. 5c, oz. 25c
Mixed Flower Seeds for Bees, the above in mixture, pkt. 5c, oz. 15c, lb. $1.50.



White Vienna Kohl Rabi

KOHL RABI

(One oz. produces 2,500 plants.)

If you have never grown Kohl Rabi, you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage and cook like turnips.

GOLIATH PURPLE.—This is a new sort, of immense size, solid and sweet. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. $2.25.

EARLY WHITE VIENNA.—The flesh is white and tender and it is a good market sort. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.



EXTRA CURLED MOSSBACK KALE

KALE, or BORECOLE

(One ounce will produce about 3,000 plants.)

Is a hardier vegetable than the cabbage; excellent for greens during winter and spring; is a splendid food for poultry. Cultivate like cabbage.

EXTRA CURLED MOSSBACK.—A most attractive variety; fine crimped leaves, light green, admirable for garnishing. Best cooking. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

DWARF GERMAN GREEN, or Siberian.—A very popular variety. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

THOUSAND HEADED.—Grown mainly for forage, but is also an excellent garden vegetable. See farm seed department. Pkt. 5c, ¼ lb. 20c, lb. 50c.

LEEK

Leeks are quite appetizing when sliced and served as a salad or they can be cooked and served like onions. Sow the seed thinly in drills early in the spring, thin out so as to stand six inches apart in the row. Early in the fall draw the earth up about the stems as you would blanch celery.

LARGE ROUEN.—The largest and most uniform variety of all. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.25.

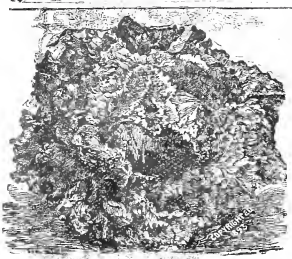


Large Rouen Leek

LETTUCE.

(One ounce will sow 100 ft. of drill.)

No vegetable is more universally used than lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. Quality depends largely upon rapid and vigorous growth. Sow in hotbed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For succession sow every three weeks during season. Thin out plants as they grow.



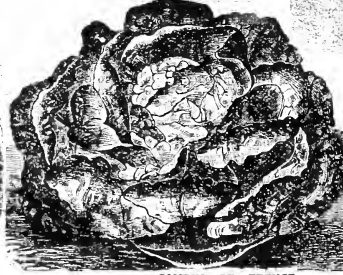
ICEBERG LETTUCE

ICEBERG.—The large, curly leaves covering the heads are a bright, light green with slight reddish tinge at edges. Center thoroughly blanched. In early spring or hottest summer days quality is simply perfect. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.50.

CALIFORNIA CREAM BUTTER.—A cabbage lettuce, with round, solid heads; outside medium green, slightly marked with small brown spots; within, leaves of very rich cream yellow color, rich and buttery to the taste. Heads good size, compact, very hard and solid. In California they eat the heart only, with a dressing or olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

CONTINUITY.—A grand variety. Outside leaves are brown tinged with purple, inside of the head a fine creamy white, tender, crisp and well flavored; continues it a very desirable sort. Especially recommended for remaining crisp and tender at all times. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.





CONTINUITY LETTUCE

MAY KING.—A very early variety of head lettuce of compact growth. The inner leaves are bright yellow, the outer ones a light green, sometimes slightly tinged with brown. Its chief claim to popularity is in quick and rapid growth making it extremely tender and brittle. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

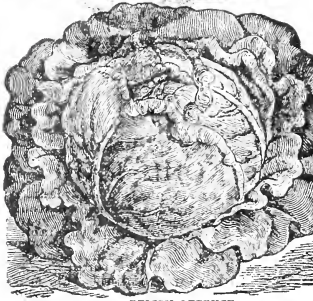
RELISH, or Improved Big Boston.—We are greatly pleased with this fine new variety. Is one of those rich, buttery flavored sorts, which when accustomed to, is preferred to the crisp-leaved varieties. Yield is the blanched yellow center of the head that is eaten. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

IMMENSITY.—Enormous solid head variety, sometimes 18 inches in diameter, but still tender, crisp and of excellent quality. A reliable sort. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

EARLY CURLED SIMPSON.—Improved variety of Curled Silesia; large, loose heads; fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

IMPROVED HANSON.—For general use no variety can surpass our improved and carefully selected strain of Hanson's Lettuce. It has been so improved that the heads are solid and often they will send up a seed stalk unless cut open with a knife. The heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists summer heat. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

BLACK SEEDED SIMPSON.—Nearly double the size of an ordinary Curled Simpson; but stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing; making large, handsome heads in a very short time. Gardeners are pleased with our seed. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



RELISH LETTUCE



MAY KING LETTUCE.

DENVER MAY KET.—An early variety of head lettuce similar to forcing or open ground. Large, solid heads, light green color, and has very slow to go to seed. Leaves beautifully marked and blistered, very crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

ROMAINE.—Very popular in France, where choice flavor in vegetables is especially appreciated. The leaves are of rather light green color, shading to white when blanched. It is more uniform growing and self-folding than any other variety of cos lettuce, so that it is not really necessary to tie the leaves together in order that it may blanch. Give this a trial this season and you will be more than pleased with it. Possesses a peculiar flavor, crisp and delicious. Pkt. 5c, oz. 20c, ¼ lb. 50c.

GRAND RAPIDS.—A forcing variety of superior quality. Strong grower, free from rot, keeps crisp and tender longer than any forcing lettuce. Desirable for sowing in the open ground. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.25.

SALAMANDER.—Excellent all seasons sort, forming good heads that stand drouth and heat longer without going to seed than other sorts. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

PRIZE HEAD.—Very tender leaves, dark reddish brown. Heads large, of good flavor. We sell more of this than any other brown-leaved variety. Always satisfactory. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



MIXED LETTUCE.—A number of the best kinds in mixture. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



ROMAINE LETTUCE

LETTUCE SOWN BROADCAST ON GOOD GROUND MAKES EXCELLENT GREEN FEED FOR POULTRY

MUSK MELON

(One ounce will plant about 80 hills, 2 lbs. to the acre.)

The soil best adapted to melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our seed, the greater part of which is produced at Altoona, with special care.

THE ORDWAY CANTELOUPE.—The favorite small basket melon as grown at Ordway, Colo. Differs from the Rocky Ford type in shape and color, as it is more nearly round and inclined to flatten at the ends, but is of about the same size. Color more nearly resembles the Burrell Gem, and it has the salmon-colored flesh of that variety. Quality is extra fine, being sweet and spicy, and deliciously melting and sugary. Will stand shipment for long distances. Originator claims it is two weeks earlier than Rocky Ford. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

BURRELL GEM.—A truly delicious melon for home use or if you desire a variety which will bring a fancy price on the market, we unhesitatingly recommend the Burrell Gem. In about the same size and shape as Rocky Ford, but has rich, golden yellow flesh of the most delicious flavor, solid and a most desirable shipping sort. Seed cavity is very small. The melons average about six inches long, four and a half inches in diameter and weigh 2¼ lbs. Shipments of these melons to Chicago, St. Louis, New York and elsewhere brought 50 per cent more than the best Rocky Fords. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

BURRELL GEM.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a medium size, very rich, melting and of exquisite flavor, flesh light green. Very productive. The original variety was a standard sort for many years and is one of the best main crop sorts. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

IMPROVED EARLY HACKENSACK

Three large sized musk melons of choice quality

OSAGE MUSK MELON.

OSAGE.—One of the best melons for family use and also greatly liked by gardeners. Flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. Seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. Of medium size, oval, slightly ribbed. Skin is thin, of dark green color and covered more or less with shallow netting. We have taken great pains to develop the thick, deep rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequaled. All lovers of melons should try it. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

IMPROVED EARLY HACKENSACK.—Ready for the market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality, weighing from 8 to 12 lbs. each. Very productive, averaging five to six melons on the vine, all of them deeply netted, flesh light green. Shape is round, flattened at the ends, and ribs are prominent. Quality fine and a splendid market melon, as it ships well. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

TIP TOP.—Orange flesh.—This is a fine, nearly round in shape melon of such attractive appearance as to always sell quickly in the markets. It is sweet, juicy and delicious. The flesh is firm but not hard, and is edible almost to the rind. The melon is of medium to large size, evenly ribbed and moderately netted; a strong grower, very prolific and of handsome appearance, and is one of the best of the orange fleshed sorts. Its appearance on the market stall is very attractive, sells on sight; customers soon learn to pick them out and will have no other variety. Particularly adapted to the West. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.00.

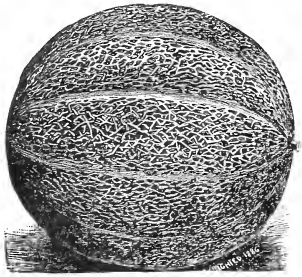
ENORMOUS.—A new musk melon growing to immense size. Shape oblong with wide fissures, and while it is well netted the fruits are so large that the netting does not show as heavily as on the smaller sized varieties. Specimens have been grown upward of fifteen pounds in weight. The flesh is very thick, salmon colored and better flavored than any other large melon we have ever grown. Seeds much larger than ordinary sorts. Vine is vigorous and very productive. Pkt. 10c, oz. 25c, ¼ lb. 75 cents.

ENORMOUS

TIP TOP

SEVERAL ADDITIONAL VARIETIES OF MUSK MELONS ARE LISTED ON NEXT PAGE

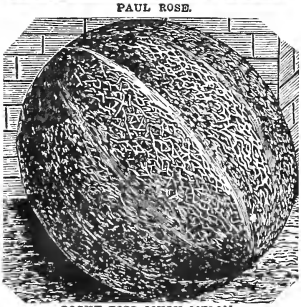
MUSK MELON---Continued



PAUL ROSE.

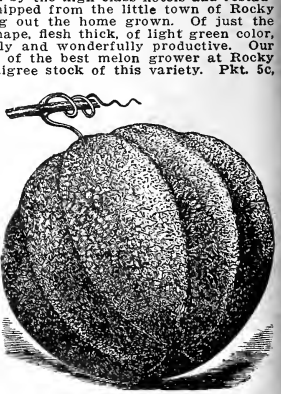
PAUL ROSE.—Named for its originator who produced it by a cross of Osage and Netted Gem, combining sweetness and the high flavor of the former with the fine netting and shipping qualities of the latter. In size about midway between the parent sorts, with salmon flesh, and is a splendid melon for hotel and restaurant trade. Peculiarly sweet, rich, delicious flavor, and a long keeper and good shipper. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

THOROUGHBRED ROCKY FORD.—This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colorado, to the large cities, driving out the home grown. Of just the right size for table use, slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from choice specimens in the crop of the best melon grower at Rocky Ford who grows the Thoroughbred or pedigree stock of this variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



ROCKY FORD MUSK MELON.

GRAND RAPIDS.—This is an extremely early variety. Flesh is of pure yellow clear to the rind; skin finely netted. To obtain best results pinch off the runners, throwing the growth into the fruit, making it larger and earlier. This is much larger than the Rocky Ford type, averaging in size with Osage, but is claimed by market growers to be the earliest of the larger varieties. It is of handsome and attractive appearance and quality is good. Is certainly a desirable sort for the market grower. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



GRAND RAPIDS.

EMERALD GEM.—Undoubtedly the finest in flavor and the earliest to ripen, and while too soft to stand shipping any great distance, is unequaled for home use or nearby markets. Vines of strong and vigorous growth; very prolific. Is rather small and flattened at both ends. Emerald green, smooth and free from netting, heavily ribbed, with narrow bands of lighter green between ribs. Flesh very thick, crystalline appearence, and of rich salmon color. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

BAY VIEW.—Fruit of largest size, frequently ten or fifteen pounds. Deep ribbed and coarse netted. Best of large, late maturing sorts. Many persons prefer the old form of musk melon which was large and long, and we offer this as the best of the type. It is of good flavor, productive, with firm flesh, and does not rot quickly. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.



EMERALD GEM MUSK MELON.



AFRICAN MUSK MELON.

EUROPEAN-AFRICAN MIXED.—Grown in Europe in preference to American sorts. We do not think them as good as ours, but you may like them better so we suggest you try them. Mixture of many kinds. Pkt. 10c.

BANANA.—Attains a length of from 18 to 40 inches; from 2 to 4 inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana and smells like one, hence its name. Has a peculiar flavor, differing from ordinary musk melons, and by some is considered superior. Pkt. 5c, oz. 15c.

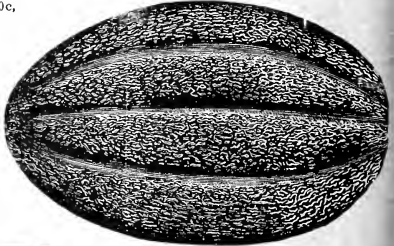
MIXED MUSK MELONS.—A mixture of the American varieties which we list, and desirable for the diversity it offers; making an appeal to all different tastes. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

CASABA MUSK MELONS

This is a class of very late maturing musk melons which do not ripen on the vines in the north, but are gathered before freezing weather and stored in a cool place and brought to a warm room for ripening; can be eaten any time up to Christmas as they keep very long. Shipped from California in carloads during winter.

WINTER PINEAPPLE, or Santa Claus.—The original, round form, green, best keeper of all. Pkt. 10c, oz. 25c.

WHITE'S FAVORITE.—Shaped like Winter Pineapple; beautiful golden color when ripened. The best flavored of this type, but will not keep so long. Pkt. 10c, oz. 25c.



BAY VIEW.



GOOD RESULTS EAST AND WEST

Our order was received in good shape and we thank you for the extras. The Iowa Seed Co. is the best in the world.—Mrs. Adam Weinman, Phillipsburg, Kansas.

I thought I would write you a few lines and let you know I had great success with the seeds I received from you last spring.—Chas. Spainhower, New Eagle, Pennsylvania.

We received the garden seed and were surprised that it came so quickly. Thank you for many favors.—Mrs. F. VanAalsburg, Lynden, Washington.

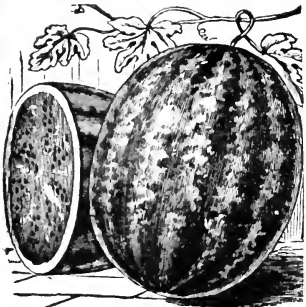
Every seed purchased from you has proven to be just as represented and I cannot say too much in their favor.—Edwin S. Sparhawk, Greenwich, N. Y.

I have used your seeds for the past three years and find them to be the best seeds and largest packages I ever bought.—Mrs. J. E. Broadford, Burr Oak, Kansas.

WATER MELON

(One ounce is required for forty hills; three pounds will plant an acre.)

A light, sandy soil, with good exposure to the sun, is the best for water melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and, finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about one hundred seeds.

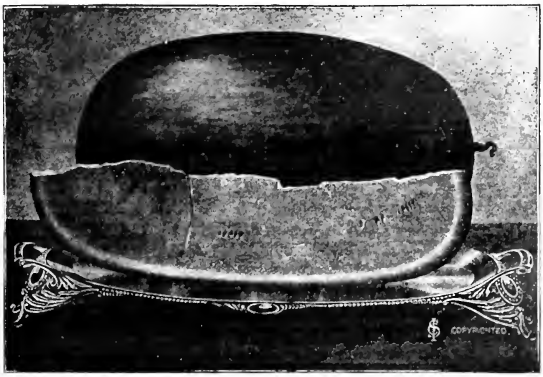


COLE'S EARLY

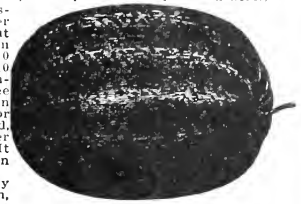
COLE'S EARLY.—Decidedly the finest variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor lusciously sweet and refreshing. One of the best early melons and is specially valuable for growing for home market as it matures in advance of other sorts and has the form and color that recommend it to buyers. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

KOLB'S GEM.—For many years a favorite sort among northern market growers. On account of its excellent shipping qualities it is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

GOLDEN SWEET.—There is a demand for yellow fleshed melons to contrast with red sorts for table service, and in this variety we have the unique color of flesh combined with quality that will make it a fit companion for the sweetest red sorts that grow. The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness and aroma. The outside skin is dark green, shape oblong, as shown in the illustration, size medium, a little larger than Monte Cristo, averaging about 20 pounds in weight, and just right for family use. The rind is very thin, not more than half an inch in thickness, but is hard and will carry without cracking or bursting the flesh. The color of the flesh is golden yellow, some specimens showing a lighter shade of lemon yellow, and the flesh is solid, smooth and contains comparatively very few seeds. For several years our customers have been asking for a yellow fleshed melon and we offer the Golden Sweet with full confidence that we shall please our patrons. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.

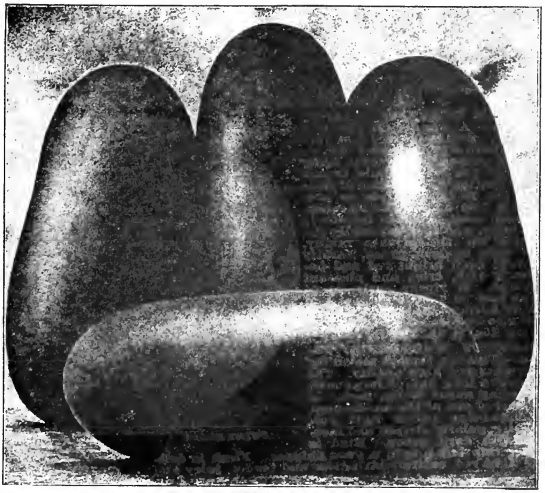


NEW GOLDEN SWEET



FORDHOOK EARLY

FORDHOOK EARLY.—Large early sort. From seeds planted May 10th, ripe melons have been produced the last of July. The rind is tough, making it valuable for shipping. Color is uniform medium green; flesh red, very sweet, solid, and of excellent quality. In markets where a solid green color is preferred, the Fordhook will be a favorite. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



TOM WATSON

TOM WATSON.—A new variety destined to become a leader among melons, because of its quality and shipping excellence. There is no variety to our knowledge that combines both essentials as does this melon. Most sorts of extra quality are not tough enough to ship, and most shipping melons are too tough to excel in quality. The Tom Watson is a large, oblong melon, the skin of which is dark green, with thick netting on the entire surface, quite distinct from other varieties. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 50 to 60 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. Seeds brown, tipped white. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

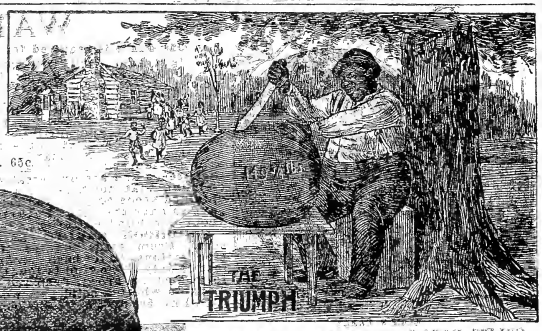
PEERLESS, or Ice Cream.—(White Seeded.)—Of unquestionable quality. Very early, medium size, thin rind, flesh bright scarlet. Rind too thin for shipping long distances, but it is the great home market melon and has occupied a high place in all seed lists for many years. Few, if any, sorts surpass it in melting, delicious quality. Color is light green slightly mottled, shape oblong to round, and its appearance attractive. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

MIXED.—Twenty-five varieties of the finest water-melons, largest, earliest, sweetest; grown separately; seed carefully mixed by us. Where room is not sufficient for a number of kinds many customers will prefer to grow the mixed sorts in order to test the different varieties and types which are offered. Pkt. 5c. oz. 10c, ¼ lb. 25c, lb. 75c.

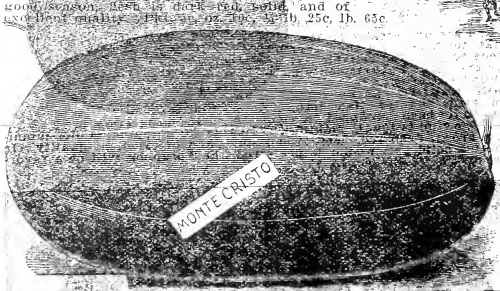
FOR ADDITIONAL LIST OF STANDARD VARIETIES WATER MELONS, SEE NEXT PAGE

WATER MELON---Continued

IMPROVED TRIUMPH.—Undoubtedly the largest of all melons having been grown to the extraordinary weight of 174¾ lbs. Very productive, as melons weighing over 100 lbs. have been grown on one vine. Governor Candler states that he had one of the Triumph melons weighing 62 lbs. which was sufficient to supply the 22 persons present with all they could eat. Rinds of dark green color, matures in good season, flesh is dark red, solid, and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c



C. B. Vail, the noted melon grower of Muscatine, Iowa, writes us: "We send you a sample of Triumph Melon today, weighting 62 lbs. I have shipped several carloads of these which averaged nearly 60 lbs. each."



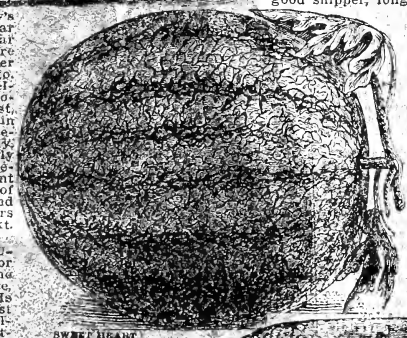
SWEETHEART.—This is a favorite Des Moines market sort. It is early, large, handsome, heavy, good shipper, long keeper, bright colon and of good quality. Vines are vigorous and productive, ripening fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green; rind thin but firm, solid, but very tender, melting and sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

We bought our first seeds of you in 1894. Borrowed a catalogue and wrote out the order on tablet paper. It was a dry year—got nothing at all. Next year tried it again and have bought seeds of you ever since.—Lovie Stubbs, Corrotionville, Ia.

I have got seeds and plants from your house and have always found you to do all you agree to and a little better. I have had good luck with both seeds and plants.—Catherine Peterson, Delphi, Indiana.

I am so pleased with my garden. None of the neighbors have gardens as good as mine.—Mrs. M. L. Coerley, Bellevue, Montana.

MONTE CRISTO, or Kleckley's Sweets.—A wonderfully popular variety. Stocks of seed last year were entirely exhausted before end of season. You must order early if you want Monte Cristo. After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.



SWEETHEART

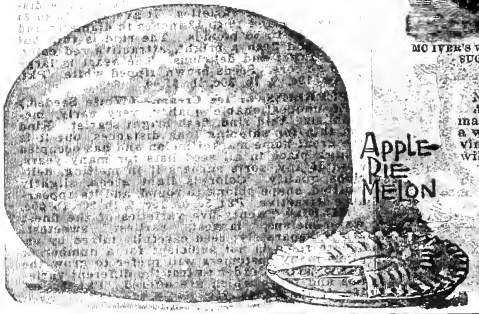
McIVER'S WONDERFUL SUGAR.—This is a famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. Is considered one of the handsomest melons, being rather light colored, irregularly striped and mottled with dark green. Rind is rather thin but tough, a good shipper. Flesh is delicate light red, entirely stringless and tender, juicy and luscious. Vine is a strong vigorous grower, very prolific and withstands extremes of weather, either wet or dry. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

MOUNTAIN SWEET.—The old standard, still quite popular in the north where large fruited southern sorts do not ripen. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.



McIVER'S WONDERFUL SUGAR

Two years ago I bought an order from you and can truly say I never had better seed in all my gardening.—W. H. Moore, York, Nebraska.



CITRON MELONS

Nice for preserving and largely used for this purpose.

APPLE PIE.—A novelty which will be appreciated in many parts of the country. Vine and fruit quite similar to a watermelon and are easily grown on any good soil. One vine produces from 5 to 15 fruits and one of these fruits will make as many pies as a half bushel of apples. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter so they can be used any time and any surplus can be fed to the live stock. It will pay to raise them for this purpose as they can be kept and fed all winter. Pkt. 10c, oz. 20c.

COLORADO PRESERVING.—This is a large, fruiting strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

RED SEEDED CITRON.—Round, dark green, striped and mottled with light green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

MUSHROOMS

We earnestly wish that every one of our readers could see with what a crop of mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally better both for the market garden and the private amateur. Directions for culture sent on application. Per brick of about 11 lbs., by mail, 60c. By exp. or frt., 5 bricks, 85c, 25 lbs., $2.25, 100 lbs. $7.50



MUSTARD

The pungent salad used with cress, or for greens. Sow thickly in rows, cut when about two inches high. One ounce will sow about seventy-five feet of drill.

CHRISTMAS.—Leaves fine, ruffled and curled gracefully as an ostrich plume; desirable for garnishing. Can be cut quite early; excellent for greens. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

GIANT CURLED.—The curled leaf variety so popular in the south for planting in fall to furnish early spring salad, also fine for spring sowing. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

WHITE ENGLISH.—Seeds are white and is preferred by housewives for pickling purposes on that account. Makes good greens. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 40c.



WHITE VELVET OKRA

OKRA

(One ounce will sow about 80 feet of drill.)

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when fried. Sow at the usual time of tender vegetables in drills 2 in. deep, leaving the plants 2 to, 3 ft. apart. Pick pods while quite young and still tender and slice crosswise before cooking.

WYRICK'S NEW GIANT.—Wonderfully productive. Pods shoot out from the stalk within 3 inches of the ground, and the whole plant is covered with them. Pods are vivid green, 8 to 9 inches long, slender and do not harden as is the case with other varieties. Best for canning. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE VELVET.—Pods round, smooth and of an attractive white, velvety appearance, very tender and of superior flavor. In the south where Okra is grown by almost everyone, this is considered the choicest quality. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

POMEGRANATE

Ornamental little fruit commonly grown in gardens a century ago, but now rarely seen. Grows on pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant; a specimen will perfume a room many days. Pkt. 10c, oz. 25c.



POMEGRANATE



SOUTHERN GIANT CURLED MUSTARD

POP CORN



PAGE'S STRIPED RICE

It pays to raise pop corn as a general crop. The demand usually exceeds the supply. Some farmers claim it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound as it is better known. Let the children try a patch.

MONARCH WHITE RICE.—This is our own strain of large rice pop corn and has been bred up to splendid form and wonderful productiveness. We believe it is the best white variety. Bears three to six ears per stalk and yields 1,800 to 2,500 lbs. per acre. The grain is rather large and in popping expands to great size. If you are growing pop corn for market we urge you to plant Monarch White Rice as it will yield better returns than any other kind. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c. By express, not prepaid, ½ lb. 65c, pk. $1.20.

Ten years ago my first order of seeds from you was 35 cents. It has increased each year since and this year it reached $102.00. Alex Pearson, Wakefield, Neb.

PAGE'S STRIPED RICE.—Introduced by Iowa Seed Co. A beautiful and attractive variety. Color white, each kernel being striped bright crimson like the old-fashioned Calico field corn. It has true rice grains, ears of good size, yields big crops, and pops fine and large and exceedingly tender. Popular for home growers because of quality. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 75c.

MINIATURE.—This is a splendid variety. Ears and stalk are small. Grains are true rice shape, a trifle smaller than Monarch White Rice, but there are several more ears per stalk than any other. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.

QUEEN'S GOLDEN.—This produces a large ear, and large, smooth grain of a peculiar lustrous golden yellow. Matures early and is very prolific. Grown by many poultrymen for feeding, as the grain is of right size and tinty, making especially good feed for growing fowls and pigeons. It pops splendidly, the general appearance of the popped corn being a rich cream color, peculiarly attractive. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.

APPLEDALE PROLIFIC.—Best of smooth grain white varieties. Ears are of medium size, but there are so many to the stalk that the average yield is extra large. Pops splendidly and will produce a larger proportion of popped corn per pound of grain than the larger sorts. On account of the smooth grain it is much nicer to handle than the rough rice kinds. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.



Good onion seed is of the utmost importance as it is one of the most important crops grown, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we **pay the postage.** Deduct ten cents per pound if to be sent by express. Ask for prices in large lots.

LARGE WHITE GLOBE.—The handsomest market variety; beautiful, clean, pure, silvery white bulbs of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. Undoubtedly the best white sort. Will yield as many bushels per acre as any of the American varieties. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

WHITE PORTUGAL or SILVER SKIN. — Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.



IOWA STANDARD, or Golden Globe. —Offered by us as the very best yellow globe-shaped onion for general culture. We prefer it to the red varieties because it is of mild flavor and much more handsome. Will keep sound and good under conditions that render other sorts worthless. Always uniform in shape, size and color. Is surely thoroughbred, and the entire crop looks like carefully hand-selected onions. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.75.

SOUTHPORT RED GLOBE.—This is a very handsome variety and is deserving of general cultivation. It is medium early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, quite deep red, flesh fine grained, mild and tender. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00.

YELLOW GLOBE DANVERS.—A handsome, globe-shaped variety of large size, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. Has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for 8 years. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.35.

WHITE BERMUDA.—A favorite in the south. Grown for the northern markets during winter and early spring. Popular because very mild and palatable. Pkt. 5c, oz. 30c, ¼ lb. 80c, lb. $2.75.

AUSTRALIAN BROWN.—Color is a peculiarly clear amber brown, quite distinct from any other variety. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

EXTRA EARLY BARLETTA.—Is a distinct new variety; the very earliest onion in cultivation. Fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure paper-white color, very mild and delicate in flavor, 1¾ in. in diameter and ⅞ in. in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.75.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing, weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made.

LARGE RED WETHERSFIELD.—The standard sort throughout the west; the most hardy and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this magnificent strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of finest form, skin deep purplish red, flesh purplish white, finer grained than many of the red sorts. Our seed is extra select and cannot be excelled. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

CANNONBALL. — A particularly fancy type of red globe onion, produced by many years' selection of choicest bulbs. It is a thoroughbred, and if properly grown every bulb will be a good one. The hardiest, longest keeper, best shape and most uniform strain of red globe onion it is possible to procure. We can recommend this seed to our friends as suitable for a quantity crop. If you intend to sow onion for home or market crop you will not find any strain or any variety that will produce better bulbs or that you can dispose of for more money. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.25.

EXTRA EARLY RED. — Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy; will often form bulbs in cold and mucky soils where other varieties fail. Recommended particularly for the north and northwest where the seasons are short and cool. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

BIG ONIONS

For table use large onions are much preferable to small ones and they bring a better price on the market. The varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

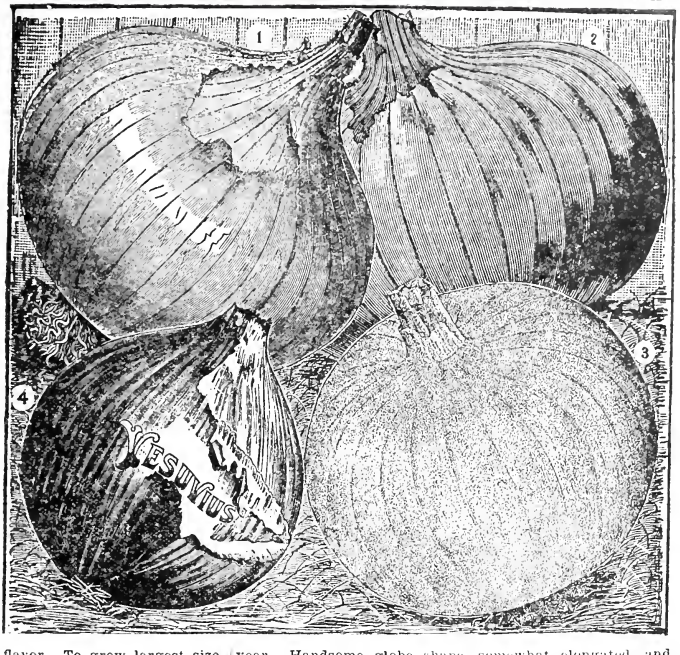
The 5 Giants

One Packet Each of

Mammoth Prizetaker
Silver King Copper King
Giant Vesuvius and
Improved Gibraltar

FOR ONLY 25 CENTS

With each of these "Five Giant" collections we will send a circular giving full directions for "GROWING BIG ONIONS."



MAMMOTH PRIZETAKER—(See cut No. 1)—One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being over 1,200 bu. per acre; bring an extra price, being sold on the market as fancy onions. Keep wonderfully well. Our seed is unexcelled, ripen up hard and firm, and present the handsomest possible appearance in market, while the pure white flesh is fine grained, mild and delicate in flavor. To grow largest size, sow early in hotbeds and transplant to open ground soon as weather is favorable. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.75.

COPPER KING, OR MAMMOTH POMPEII.—(No. 2)—Have been grown to the enormous weight of 5 lbs. 6 oz., and not withstanding their large size retain their shape and fine quality. To obtain an idea how large this really is, weigh the largest onion you can find and compare. Copper color, flesh white, fine grained, mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.60.

MAMMOTH SILVER KING.—(No. 3)—The largest white onion, no other approaching its mammoth size. Of attractive form, flattened, but thick through as shown in cut. Often weigh from 2½ to 4 lbs. each. Beautiful silvery white; flesh snowy white, sweet and tender and can be eaten raw. Matures early; of uniformly large size, perfect shape and bring a high price in market. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.60.

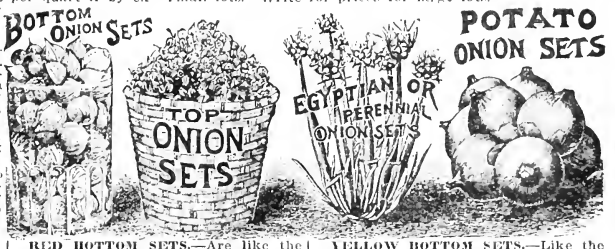
GIANT VESUVIUS.—(No. 4)—This is a mammoth foreign variety well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. Handsome globe shape, somewhat elongated, and veritable beauties; attract attention anywhere. Color is almost blood red; flesh nearly white and quality most excellent. Much more tender and mild than the American sorts. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.

IMPROVED GIBRALTER.—This new Spanish onion is similar in shape and color to the Prizetaker but when it is grown under ordinary conditions has proved to be very much larger and hardier; keeps better. The leaves of blades are distinct in appearance, being deep green, with glossy surface, enabling it to withstand dry weather and the attacks of insects. Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.00.

AILSA CRAIG.—A mammoth sort from England, where it exceeded all other varieties in size. It is claimed that the largest onion ever produced was of this variety, weighing nearly seven pounds. Shape and style of the Prizetaker. Color is pale straw yellow. Flavor is exceedingly mild and sweet and its appearance is so attractive that it will command the highest price. Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $4.00.

ONION SETS

For early onions for bunching; ready for table in a very few weeks. Is cheaper to grow from seed but considerable work to weed, and many prefer to buy sets. Price by pint and quart includes postage; deduct 10c per quart if by express. Price per peck or bushel subject to market variations, and shipped at buyer's expense. Top sets sold at 28 lbs. per bushel; other kinds 32 lbs. or stroke measure on all small lots. Write for prices for large lots.



POTATO ONION SETS.—A species of Multiplier Onion, increasing from bulb; early; matures quickly; mild. Pt. 20c, qt. 35c; not prepaid, pk. $1.35, bu. $4.50.

WHITE MULTIPLIER ONION SETS.—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. $1.50, bu. $5.00.

RED TOP SETS.—Commonly known as Button Onion Sets. Pt. 20c, qt. 40c; not prepaid, pk. $1.35; bu. $4.50.

PERENNIAL or Winter Sets.—Also called Egyptian or Tree Onions. Usually set in fall; produce earliest spring onions without winter protection. Do not make large bulbs. Pt. 15c, qt. 25c; not prepaid, pk. 65c, bu. $2.60.

WHITE BOTTOM SETS.—White onion sets from seed are best for early use and large onions. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. 90c, bu. $3.25.

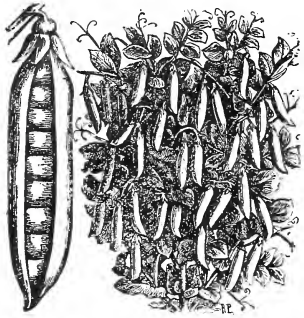
RED BOTTOM SETS.—Are like the white, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. $3.00.

YELLOW BOTTOM SETS.—Like the white, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. $3.00.

PEAS

(One pound will plant about fifty feet of drill; 2 to 3 bushels per acre.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, and 3 to 4 inches deep for general crop, although the first earliest will come to maturity sooner if only covered 1½ inches. The wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties; they are more liable to rot if the ground is wet. We are this year offering peas by the pound and the pound prices include postage. Larger lots go by express or freight at customer's cost for transportation. If you want the larger lots to come by parcel post you must send postage as bushels are based on the Iowa legal weight of 60 lbs. per bushel.



IOWA CHALLENGE.



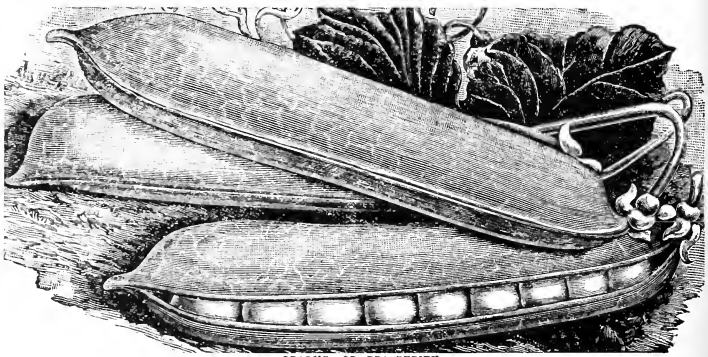
PREMIUM GEM.

EXTRA EARLY SMOOTH VARIETIES

ALASKA.—Height 2 feet; pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the First and Best, and 90 per cent of pods can be gathered at first picking. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75, bu. $6.00.

IOWA CHALLENGE.—Extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of nearly all extra early varieties we have not found one possessing more merit, hence its name. For the market gardener it has no superior. Is not only extra early and prolific, but of good flavor. All good qualities of Extra Early are most nearly brought to perfection in the Challenge. Height 18 inches. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75, bu. $6.50.

FIRST AND BEST.—An extra early variety of smooth peas which are very popular and have been a standard sort for many years. Are very productive and mature several days before Premium Gem or American Wonder. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 45c, ½ pk. 90c, pk. $1.60, bu. $6.



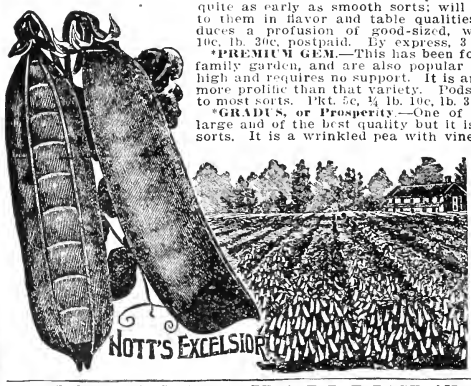
GRADUS, OR PROSPERITY.

EARLY DWARF WRINKLED VARIETIES

***AMERICAN WONDER.**—Popular extra early variety for family garden. Cannot be planted quite as early as smooth sorts; will not stand as much cold, wet weather but is far superior to them in flavor and table qualities. Dwarf, robust habit, growing about 10 in. high; produces a profusion of good-sized, well-filled pods of the finest flavored peas. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 55c, ½ pk. $1.10, pk. $2.00, bushel $7.50.

***PREMIUM GEM.**—This has been for many years the standard dwarf wrinkled peas for the family garden, and are also popular with market gardeners. It only grows 12 to 15 inches high and requires no support. It is an improvement on the McLean's Little Gem, being much more prolific than that variety. Pods large, dark green, and quality of the peas is superior to most sorts. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 55c, ½ pk. $1.10, pk. $2.00, bu. $7.

***GRADUS, or Prosperity.**—One of the finest for family use. This remarkable pea is not only large and of the best quality but it is nearly or quite as early as the small, round, extra early sorts. It is a wrinkled pea with vine growing about 20 inches high. The pods are of a bright green color and measure 4 inches or more in length, and are well filled with luscious peas—8 to 10 or more in a pod. Of highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A grand pea in all respects. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 70c, ½ pk. $1.35, pk. $2.50, bu. $9.00.



***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family garden pea. It is fully as sweet and delicious as the American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. Geo. Buchanan writes: "I found these peas very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By express, 3 lbs. 55c, ½ pk. $1.10, pk. $2.00, bushel $7.00.

PEAS---Continued

SECOND EARLY AND MAIN CROP VARIETIES

***DWARF CHAMPION.**—This is a great improvement on the Champion of England, which has been one of the sweetest, best and most popular varieties for the last thirty years. The old variety is very tall (6 ft.), while this new sort grows only 2½ ft. and still vines are vigorous with a great profusion of very large pods filled with large-sized peas of superior quality and very sweet. Medium late and suited to main crop. Everyone who wants extra choice peas for family use should have these. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 55c, ½ pk. $1.10, pk. $2.00, bushel $7.00.

***IMPROVED STRATAGEM.**—The most popular late variety for market or family use. It is preferred because of the immense size of pods and peas and the exceptional sweetness and tenderness of the peas when ready to use. Does not grow very tall, being really a half dwarf sort two to three feet high, and does not require support, though it will repay for the labor of training up with greater yield and longer bearing season. It is a vigorous grower, of branching habit, and under favorable conditions an enormous cropper. Pods are large, long, and filled with seven to nine large peas of superior quality. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 55c, ½ pk. $1.10, pk. $2.00, bushel $7.00.

MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears pods much larger than any other variety, often six or seven inches long and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, as they contain so much sugar, starch and gluten; are very nutritious for family use. Grows quite tall, five to six feet high, and requires support. Most popular and is decidedly a desirable variety. Pkt. 10c, ¼ lb. 15c, lb. 40c, postpaid. By express, 3 lbs. 80c, ½ pk. $1.60, pk. $2.00, bushel $10.00.

DWARF WHITE MARROW.—An improvement on the old Large White Marrowfat. Fully as productive as the elder sort but does not grow so tall and rank. Used almost exclusively for late midsummer planting by market gardeners and is very productive. Grows three to four feet and is best if supported, though support is not usually given where it is grown by gardeners in quantity. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By express, 3 lbs. 40c, ½ pk. 75c, pk. $1.40, bushel $5.00.

***CHAMPION OF ENGLAND.**—An old variety and one of the finest flavored and most productive. Grows 4 to 5 ft. high and requires support, but the fine quality and large crop produced more than repays any extra labor required. A strong, vigorous grower and continues to bear for a long time. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75, bu. $6.50.

***TELEPHONE.**—Is immensely productive; finest quality; excellent sugary flavor; vines are very strong, growing about 4 ft. high and should be supported. Pods of large size, with 6 or 7 large, delicious peas. Pkt. 5c, ¼ lb. 10c, lb. 30c, postpaid. By exp., 3 lbs. 55c, ½ pk. $1.10, pk. $2, bu. $7.50.

***EVERBEARING.**—One of the best for main crop planting. It grows about 2 ft. high, strong and vigorous, branches in a peculiar manner and needs no support. It continues to bear and produce a crop all season if peas are picked as they grow. Pods and peas of large size and fine quality. Satisfactory for home garden. Pkt. 5c, ¼ lb. 10c, lb. 25c, postpaid. By exp., 3 lbs. 50c, ½ pk. $1.00, pk. $1.75, bu. $6.50.

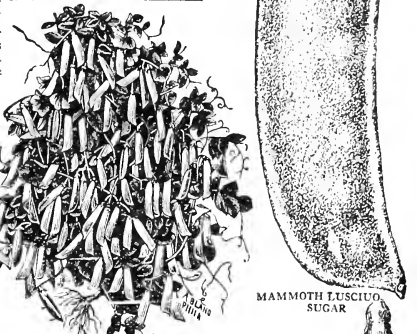
POSTAGE ON PEAS

Packets, quarter pounds and pound prices quoted for peas include prepayment of postage by us to any part of the country. At prices on larger quantities customer is to pay express or freight. If the larger lots are wanted to come by parcel post, you must add postage according to the table on page 3. If postage is not included your order will be sent by exp., collect.

FIELD PEAS

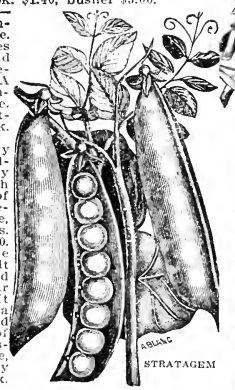
A splendid crop to sow with oats or barley for green feed. Will produce a crop and enrich the soil at the same time. Are listed and described with farm seeds on p. 56.



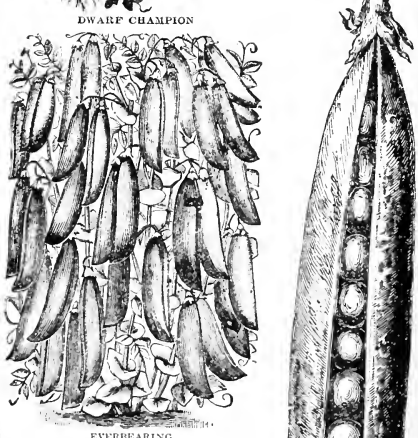


MAMMOTH LUSCIOUS SUGAR

DWARF CHAMPION



STRATAGEM



EVERBEARING.

TELEPHONE

FERTILIZE YOUR GARDEN

Increase the Yield and Improve the Quality of Vegetables

A comparatively small amount of fertilizer greatly improves the soil of the garden if it contains the proper constituents. Ordinary manure, well rotted, is beneficial but does not supply all necessary elements for best results. Soiling crops plowed under will help a lot, but even these will not entirely meet the requirements. The one element most necessary (potash) is a mineral salt and is readily obtained in commercial form. As the best help to increase the vegetable crops and to stimulate quick growth, which results in extra quality, we have prepared

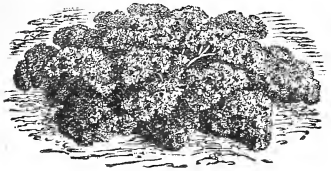
OUR PEERLESS GARDEN GROWER

Registered in the Office of Iowa Dairy and Food Commissioner

The laws of our state require that the composition of all mixed fertilizers be filed in the office of the State Dairy and Food Commissioner and that the manufacturer shall pay a fee as a guarantee of quality. We have complied with the law in the making of our Peerless Garden Grower. It is compounded under our own directions and contains humus, nitrogen and potash in just the right proportions for vegetable growth. You cannot appreciate its value until you have tried it for yourself. No great amount is required. Use at the rate of 50 lbs. to 2,500 sq. ft., applied broadcast just before plowing. The effect will be seen in the vegetable growth the whole summer. By freight, not prepaid, per 10 lbs. 50c, 25 lbs. $1.00, 50 lbs. $1.75, 100 lbs. $3.00, 500 lbs. $14.00.

PLEASE READ THIS

We are this year selling Peas, Beans, and Sweet Corn by the pound, and the quotations by peck and bushel are based on the legal weight table of Iowa and are weighed, not measured. You get actual value; no chance for skimping measures under this selling plan. Peas are 60 lbs. per bushel.



MARKET GARDENER'S PARSLEY.

PEPPER

(One ounce will produce about 1,800 plants.)

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil. in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

CORAL GEM BOUQUET. — (Cut No. 1.)—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Nice to chop up for mixing picilli. Pkt. 10c, oz. 40c.

RUBY KING.—(Cut No. 2.)—Very large in size, 4½ to 6 inches long by 3½ to 4 inches thick. When ripe they are of beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large, handsome fruit and is splendid for stuffed peppers or mangoes. Pkt. 5c, oz. 30c, ¼ lb. 90c.

CHINESE GIANT.—(Cut No. 3.)—Most gigantic of all Giant Peppers. A fine mild red pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Makes an excellent salad sliced and served like tomatoes. Pkt. 10c, oz. 40c, ¼ lb. $1.25.

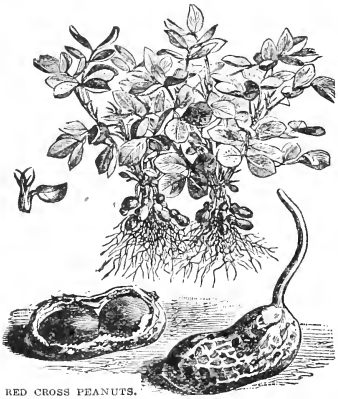
KALEIDOSCOPE.—(Cut No. 4.)—A very ornamental new sort. The small fruit changes from cream color to canary, deepens to orange then turns into pink, until it becomes a deep, shining scarlet Pkt. 10c, oz. 50c.

JAPANESE FANCY.—(Cut No. 5.)—A very ornamental variety, bearing little heart-shaped fruits of various colors, purple, white, yellow, orange, red, all on same bush. Fruits are edible, of mild flavor. Pkt. 10c.

LARGE BELL, or Bull Nose.—(Cut No. 6.—Early standard sort. More pungent than Ruby King and not quite so large. Is the favorite for drying for winter use. Pkt. 5c, oz. 25c, ¼ lb. 75c.

RED CHILI.—(Cut. No. 7.)—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 5c, oz. 25c, ¼ lb. 75c.

MAMMOTH GOLDEN QUEEN.—(Cut No. 8.) Average a third larger than Ruby King. Is 8 to 10 inches long; bright, waxy, golden yellow and mild flavor. A favorite variety for mangoes. Pkt. 5c, oz. 30c, ¼ lb. $1.00.



RED CROSS PEANUTS.

PARSLEY

(One ounce will sow 150 feet of drill.)

Sow very early, thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing. For winter use protect in a glass frame or light cellar.

MARKET GARDENER'S.—An extra choice stock with dark green beautifully curled mossy leaves, very ornamental in its growth and very productive. Valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color till late in the fall and continues to produce well throughout the winter when transferred to the greenhouse. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

CHAMPION MOSS CURLED.—A very select stock, finely crimped and curled. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

HAMBURG.—Turnip-rooted variety, used for flavoring soups, etc. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.



PEPPERS. *Refer to numbers for description.*

SWEET MOUNTAIN, or Mammoth.—This pepper is in shape similar to Large Bell, but fruits are much larger and not nearly so pungent. A splendid sort for making stuffed pickle. Has been a standard large pepper for many years. Pkt. 5c, oz. 25c, ¼ lb. 75c.

RED CAYENNE.—Pods long and slim, of medium size. Pungent. Used for pepper sauce. Pkt. 5c, oz. 25c, ¼ lb. 75c.

MIXED PEPPERS.—A choice mixture of all the above and several other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 35c.

Pepper plants of the large varieties listed on page 38.

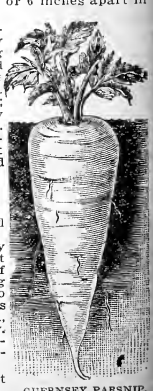
PARSNIP

(One ounce will sow 200 feet of drills. Five lbs. will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by frost.

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. Very heavy cropper; roots are smooth with a deep, hollow crown and a small top. Flesh fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality as outside portions. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c.

IMPROVED HOLLOW CROWN.—This greatly improved strain is about the same shape as the old sort but smoother and of more even quality; fine grained and excellent. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



GUERNSEY PARSNIP.

PEANUTS

Peanuts can be grown in Iowa. and everyone should plant at least a few, for the children.

RED CROSS.—This very desirable variety is early as the earliest,. most hardy, very prolific and of best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bushels to the acre; easily cultivated as corn. Pkt. 10c, lb. 40c, postpaid. By express 5 lbs. or more at 25c per lb.

SPANISH.—A very early variety; quite prolific, but the pods are small. Per package 10c, lb. 50c.

PUMPKIN

One oz. will plant 25 hills; 4 lbs. will plant one acre

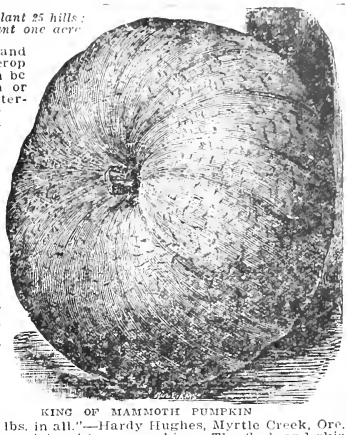


ATLAS PUMPKIN.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, two pounds will plant one acre.

NEW ATLAS.—What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. Our seed is the result of years of selection, and was saved only from the largest sized, perfect shaped specimens, which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. Pkt. 10c, oz. 25c, ¼ lb. 75c.

"From one seed of the Atlas Pumpkin received from you I grew one vine which produced four pumpkins. The largest weight 175 lbs., the second 168 lbs. third 138 lbs., fourth 96 lbs., or 577 lbs. in all."—Hardy Hughes, Myrtle Creek, Ore.

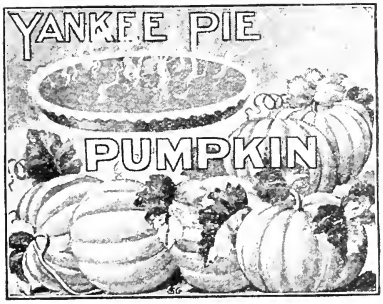


KING OF MAMMOTH PUMPKIN

KING OF MAMMOTHS.—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 lbs. One customer writes us that he grew one that weighed 158 lbs., and on the same vine he had five other pumpkins from 80 to 104 lbs. each in weight—over 640 lbs. grown from one seed. Farmers and gardeners, just think of that kind of a crop! Will it not pay to grow the King of Mammoths and exhibit them at your county fair? Our seed is from select specimens Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

MAMMOTH TOURS.—Is also called "Mammoth Whale." Grows to an immense size, sometimes 3 feet in length, and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

MAMMOTH ETAMPES.—Giant variety from France. Bright red color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



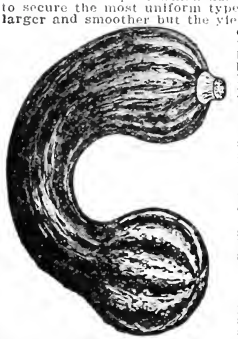
COLLECTION OF
Mammoth Pumpkins
One Packet Each of New Atlas Mammoth Tours, King of Mammoths and Mammoth Etampes.
ONLY TWENTY CENTS

YANKEE PIE.—The noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but is smaller, very sweet, fine grained and one of the best varieties for table use. It pleases everyone for making pies. Early. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LARGE CHEESE.—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field but are flat shaped, with creamy buff skin and thick golden flesh. It is one of the best of the pie pumpkin and can be grown in the corn like the common cow pumpkin. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. Five pounds by express or freight at 45 cents per lb.

JAPANESE PIE.—This is similar in size and form to the well known Cushaw, but the skin is deep green, with darker stripes turning to yellow as fruit ripens; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh is very thick, a rich crimson color, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

BIG TOM.—A greatly improved strain of Yankee or Connecticut Field Pumpkin which has been selected for many years to secure the most uniform type. Not only are the pumpkins larger and smoother but the yield is nearly double that of the old variety. We recommend it to our customers as the very best type of cornfield pumpkin. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. Five pounds by express or freight at 45c per lb.

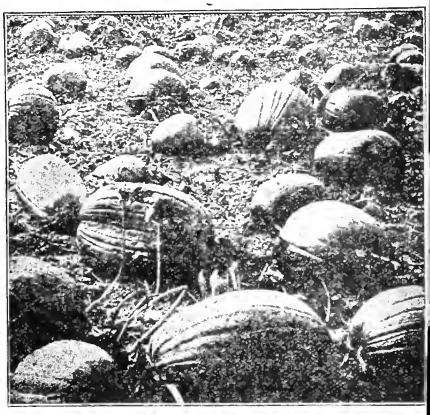


JAPANESE PIE.

GOLDEN CUSHAW, or Jonathan.—Attractive and sells better than the old green striped sort. Large, bottle-shaped sort. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

GOLDEN RUSSET.—An extra choice sweet variety, also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

CONNECTICUT FIELD.—Is the common field or cow pumpkin. If you have any live stock plant some of these. Oz. 5c, ¼ lb. 20c, lb. by mail 50c. By exp. or frt. 10 lbs. $1.00.

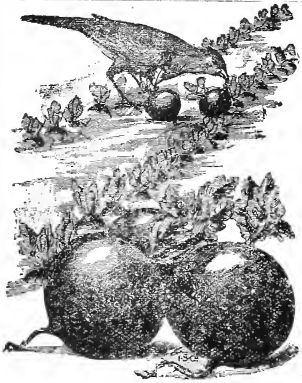


BIG TOM PUMPKIN.

RADISH

One ounce will sow 100 feet of drill. 8 to 10 lbs. will sow an acre in drill.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.



EARLY BIRD RADISH.

EARLY BIRD.—Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh which is tender, crisp and of the very best flavor. It has few and short leaves, which admits of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and money maker for the market gardener. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

SPARKLER.—This is a new extra early white-tipped round radish. It is distinct in that the white tip is larger and more pronounced than in any other variety. Much more of the root is white than shown in our illustration, and the contrasting colors being so nearly equal gives it a more attractive appearance than any of the varieties now on the list. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



SPARKLER RADISH

CRIMSON GIANT FORCING.—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years. A rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference while the Crimson Giant often measures nine inches in circumference without getting pithy or hollow, and retains its firmness and tenderness of flesh. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

VIOLET QUEEN RADISH.—A novelty of 1908 and decidedly the handsomest of all radishes. It is a small, round or turnip-shaped variety of a beautiful violet-purple color, sometimes shading to white near the tip, thus giving it a very pleasing aspect. It matures quickly, is solid, crisp and of excellent flavor, and does not become pithy quickly. For best results grow in loose, rich soil and cultivate well. It is very showy on the table, especially when put in a glass dish with red and white radishes. Do not fail to try it. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



VIOLET QUEEN RADISH.

FRENCH BREAKFAST.—Of medium size and olive shape, with small top; quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ROSY GEM.—A handsome globe-shaped variety of rosy scarlet shading to white at the tip. Similar to Scarlet Gem but lighter color. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EARLY SCARLET GEM.—An extremely early variety which has matured fit for the table in seventeen to twenty days from the time of sowing the seed and is fully grown in less than four weeks. It is of a perfect globe shape, and of a bright, rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it an "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp, appetizing. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

IMPROVED CHARTIER.—Roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh white, crisp and mild flavor. Stands hot weather well. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EARLY LONG SCARLET, or Short Top.—An old standard variety; of quick growth; long, slender root. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

BRIGHTEST LONG SCARLET.—The handsomest long red radish which is very early. It is shaped like Long Scarlet, but the tips are white like Chartier. The white and red colors in contrast make it a popular market sort which sells readily. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



SCARLET GEM

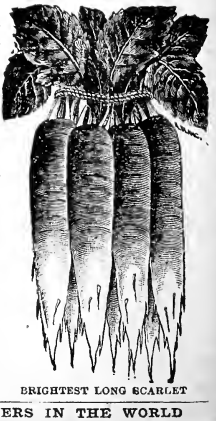


FRENCH BREAKFAST.



CRIMSON GIANT





BRIGHTEST LONG SCARLET

RADISH---Continued



ICICLE RADISH



MODEL WHITE BOX RADISH



WHITE STRASBURG



GOLDEN DRESDEN

EARLY SCARLET GLOBE.—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color, crisp, juicy and tender. It forms a small top and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more readily than any other sort. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

STRIPED TRIUMPH.—A beautiful new variety and is a decided novelty. It is of the shape shown in our illustration, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early and has a very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and as good flavor as any radish grown. It being a sport, some of the roots are always of solid color, not variegated, but they are always of fine quality, regardless of color. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00.

ICICLE.—A splendid long variety of almost transparent whiteness. Produces nice roots in twenty-two days from the date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed, nice, crisp radishes may be had from spring until midsummer. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type, and there are none that surpass it in quality. We recommend it as the very best second early radish. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

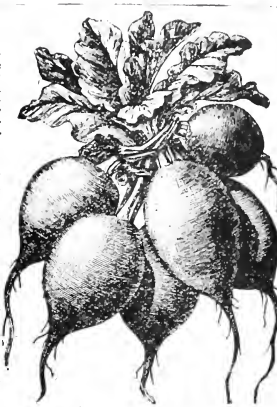
WHITE STRASBURG.—Of handsome, oblong, tapering shape, both skin and flesh being pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Sometimes called the Sandwich radish. Pkt 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

MODEL WHITE BOX.—Of handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds and boxes, and one-third more radishes can be grown in the same space than with most other varieties. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

GOLDEN DRESDEN.—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts; tops small, admitting of close planting. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00.

SAKURIJIMA.—This is a giant variety of radish from Japan. It has been grown to the enormous dimensions of 43 inches in circumference. Flesh is solid, firm and brittle, and of excellent flavor. Will grow and thrive in any ordinary garden soil. This is a real "novelty" to most Americans and it will hardly be recognized as a radish from its appearance when full grown. Try it and you will be surprised at the real value of this monstrous variety. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. $2.50.

IOWA SEED CO.'S MIXTURE.—A superb mixture of all kinds of radishes—early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones as they mature are pulled, make room for the larger growth of the fall and winter varieties. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 65c.



EARLY SCARLET GLOBE RADISH

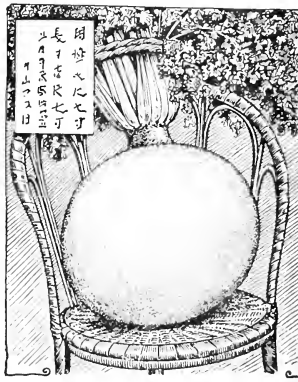


STRIPED TRIUMPH RADISH

WINTER RADISH

LONG BLACK SPANISH.—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

CHINA ROSE WINTER.—Bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



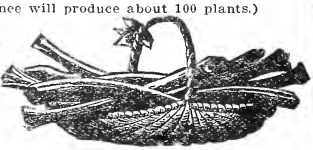
SAKURJIMA RADISH.

CALIFORNIA MAMMOTH WHITE.—Large size, 8 to 12 inches long, 2 to 3 inches thick, white, solid, of good quality. A very popular sort with market gardeners for late selling. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

RHUBARB, or Pie Plant

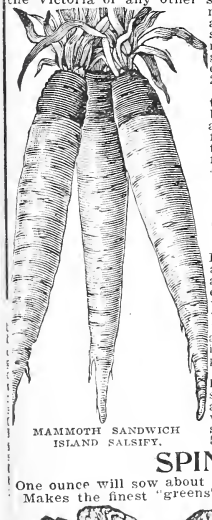
(One ounce will produce about 100 plants.)

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to 6 inches apart; transplant in fall or spring to permanent beds 3 feet apart each way.



For price of rhubarb roots see page 38.

IDEAL MAMMOTH.—This new variety, which is decidedly the finest and best of all, originated with Dr. Kennicott, of Illinois. The stalks are much larger than the Victoria or any other sort and are also produced in much greater abundance. Like all highly improved sorts it seeds sparingly and it comes more nearly true to name if grown from seed than most other varieties. Pkt. 10c, oz. 25c, ¼ lb. 75c.



MAMMOTH SANDWICH ISLAND SALSIFY.

VICTORIA.—For many years the standard variety of rhubarb. Stalks are not so large as Ideal Mammoth, but are preferred by many on account of their more piquant and richer flavor. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

SALSIFY

VEGETABLE OYSTER

(One ounce will sow 50 feet of drill, 8 lbs. to the acre.)

Why don't you grow salsify? It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in winter, when the supply of really good vegetables is limited. It has the true oyster flavor and is a delicious substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND.—Average fully double size of old Long White. Roots are white, smooth, and, notwithstanding their enormous size, of superior quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.25.

SPINACH

One ounce will sow about 80 ft. of drill, 10 lbs. to acre.)
Makes the finest "greens" of any plant in cultivation.



VICTORIA SPINACH.

For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch; sow at intervals of two weeks all through season. For very early use sow first of September and protect with straw.

VICTORIA.—A variety distinguished by exceedingly dark, black-green color and for its very long standing qualities, being two or three weeks later than the ordinary varieties. The leaves are thick and spread out flat upon the ground. Is excellent for spring sowing, but not sufficiently hardy to withstand winter in this locality. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. or more at 25c per lb.

LONG STANDING.—Standard with gardeners; leaves thick, fleshy and crumpled, round, large, and dark green color; slow to run to seed. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 45c. By express, not prepaid, 5 lbs. or more at 20c per lb.

BLOOMDALE.—Savoy-leaved, curled sort, very popular in the south. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 35c.

NEW ZEALAND.—Very useful to supply the place of ordinary spinach during the hottest months of the year, or in dry, arid localities. A few plants will supply a family with this delicious vegetable from July to October. A distinct variety of merit. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

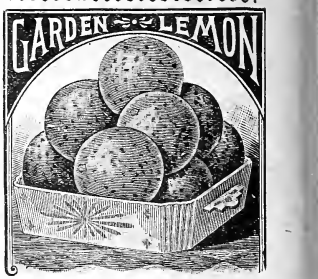
Two Special Offers of Interest to Housewives

Pantry Shelf Collection of Garden Fruits, Page 8.
Pickling and Preserving Collection, Page 35.

SELECTED SPECIALTIES

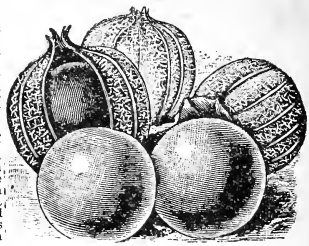
GARDEN LEMON

Introduced by us and has been very highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach and like it in growth, but has thinner flesh and is dedidedly acid, thus dispensing with sliced lemons, so important in putting up Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 25c.



GROUND CHERRY

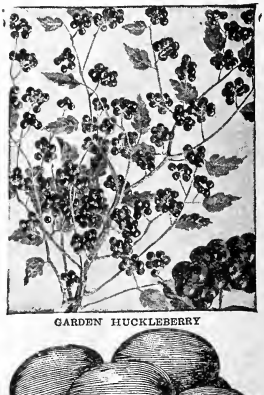
IMPROVED YELLOW.—Another year has added to the popularity of this little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country, to whom we supply seed. They grow well on almost any dry soil, are easier raised than the tomato, are prolific bearers, and oh! what luscious fruit. For sauce or pies they are excellent. They make delicious preserves and when dried in sugar are much better than raisins for cakes or puddings, and they will keep, in the shuck, if kept in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a space to the Ground Cherry. Directions for preserving with each pkt. Pkt. 5c, ½ oz. 20c, oz. 30c.



GROUND CHERRY

GARDEN HUCKLEBERRY

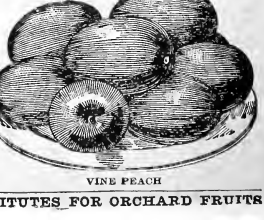
When this new fruit was first offered to us we had but little confidence in it, but after growing it on our grounds we recommend it to our customers. It belongs to the Solanum family (Solanum Nigrum), which is the same class botanically as the tomato, egg plant, and potato. The fruit is nonedible and by some considered injurious when green. When ripe they are about ½ inch in diameter, of shining black color and make delicious pies, preserves and jam. Easily grown and immensely productive. Directions for cooking are printed on each packet. Per pkt. 10c.



GARDEN HUCKLEBERRY

VINE PEACH

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russety. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. Where fruit is scarce, they are popular, as they are easily cultivated, wonderfully prolific, and can be used in every culinary way in which you would use a peach; not usually liked raw. Pkt. 5c, oz. 25c, ¼ lb. 75c.



VINE PEACH

SQUASH

(One ounce early varieties will plant about forty hills; one ounce late varieties will plant about twenty hills; 3 to 4 pounds per acre.)

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

GOLDEN BUSH.—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all and quite a favorite with all who like summer squash. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE BUSH SCALLOPED.—Similar to Golden Bush. Color creamy white; an excellent sort for family garden for early use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EARLY BUSH CROOKNECK.—Splendid sort, early, productive, very fine quality. With all new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

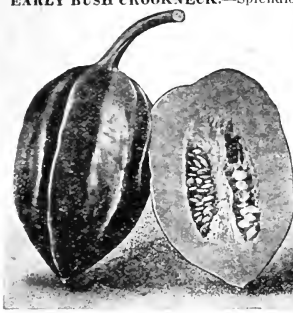
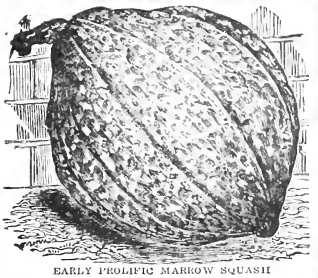


TABLE QUEEN SQUASH

PERFECT GEM.—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. Squashes are from 4 to 6 inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. Flesh when cooked is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. $1.00.



EARLY PROLIFIC MARROW SQUASH

TABLE QUEEN SQUASH.—Our illustration well shows the shape of this most excellent new variety. Seeds are small and are to be planted like the early varieties as to distance. The vines are vigorous and they are very productive. They are just the right size, averaging about six to eight inches long and four to six inches in diameter. Color dark green, with sometimes a blotch of red at pointed end. Shell is hard and smooth and is ridged as shown in the picture. Just wash it clean, cut it in half, take out the seeds, bake twenty minutes and you will have the most delicious squash you ever tasted. Splendid for pies because of its sweetness and dainty flavor. Ripens in the fall and keeps as long as Hubbard. A novelty which we introduce in full confidence, as it has already established itself a favorite on the Des Moines market. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.50.

NEW HESTER.—Extra choice new variety, which we introduced. It is unusual shape as the stem end is the larger and it tapers to a blunt point at the blossom end. The color is a pinkish yellow slightly striped at point with light green. Early and can be used as summer squash, but they are superior for winter. When stewed or steamed are dryer than when baked and make delicious pies. It is really a quality sort. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

TRUE HUBBARD.—This old variety for years has stood the test of all rivals and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keep in perfect condition through the winter. Our stock is grown on our Altoona farms and is selected for thick flesh and solidity. It has been given our special care for a period of years and is of the highest type. Pkt. 5c, oz. 10c, ¼ lbs. 30c, lb. $1.00.

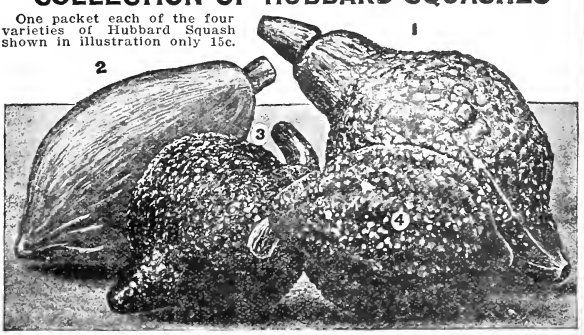
WARTY HUBBARD.—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the very best features of a long-keeping squash. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.

BLUE HUBBARD, or Marblehead.—A splendid winter variety. Shell light blue; flesh similar to the Hubbard in quality. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

GOLDEN HUBBARD, also called Red Hubbard.—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange yellow; much richer in color than Huhbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

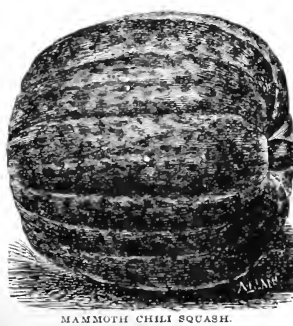
COLLECTION OF HUBBARD SQUASHES

One packet each of the four varieties of Hubbard Squash shown in illustration only 15c.



FOUR HUBBARD SQUASHES

No. 1, True Hubbard; No. 2, Blue Hubbard; No. 3, Warted Hubbard; No. 4, Red Hubbard.



MAMMOTH CHILI SQUASH.

DELICIOUS.—On our place this has proved to be a most desirable new winter variety. Color of the skin is green, with an occasional blue specimen, about the same size as the Hubbard, weighing 5 to 10 lbs. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety it is in its best condition during the winter. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

EARLY PROLIFIC MARROW.—Early and productive, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with consumers. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

PEERLESS VEGETABLE MARROW.—In England they consider the Vegetable Marrow far superior to any variety of squash, but for some reason it has never become popular here. The Peerless is, we believe, the most desirable sort, fruits being of handsome shape, creamy white color, very large size, of excellent flavor. Very productive. Cultivate like squash. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.50.



PEERLESS VEGETABLE MARROW

MAMMOTH CHILI.—The "Jumbo" of the squash family. Outer color rich orange yellow; skin is quite smooth with wide fissures. Flesh very thick and of a yellow color. Keep well and are profitable for stock. Have been grown to weigh over 200 pounds. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

I was very well pleased with the squashes which I raised from your seed last year. They matured well though planted very late.—Frank Blanchard, Port Allegheny, Pa

TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past, transplant to open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain from 500 to 1,000 seeds.



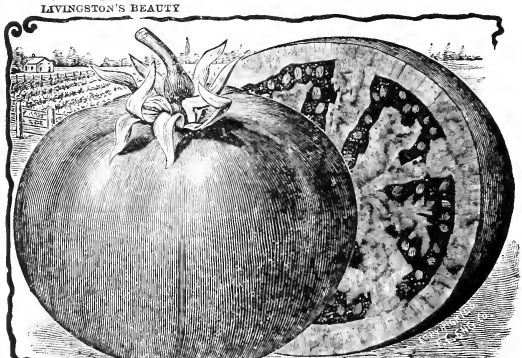
LIVINGSTON'S BEAUTY

SPARKS' EARLIANA.—Probably no early tomato introduced in many years has attracted so much attention and has so large a sale as Sparks' Earliana. It is not only extremely early, but is remarkable for its large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities are fully equal to many of the best late sorts. Extra early tomatoes are one of the most profitable crops for the market gardener as well as especially desirable in the home garden. You will make no mistake in planting the Earliana. Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.50.



SPARKS' EARLIANA.

MATCHLESS.—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines are of strong, vigorous growth, well set with fruit, which is entirely free from core, of finest flavor, very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. $3.00.



MATCHLESS.

LIVINGSTON'S BEAUTY.—Originated with the late Mr. A. W. Livingston, of Franklin County, Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c, oz. 30c, ¼ lb. 85c, lb. $2.75.

ACME.—Valuable for early market; medium size, color a glossy red with purplish tinge. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

PERFECTION.—Large and round, smooth, handsome red fruit of highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.50.

DWARF CHAMPION.—Habit of growth peculiar, for not only is it dwarf and compact, but the stem being stiff and short jointed, it is almost self-supporting when laden with fruit. Early, of a purplish pink color; smooth, symmetrical, solid and of fine quality. Best variety to grow for plants for sale as they are so stocky. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. $3.00.

I must say your garden seeds are first class and the largest packets I ever received from any company.—Mrs. Clarence Barker, Atwater, Ohio.

Your seeds are the best I ever got anywhere. I had a very fine garden from your seeds, and will recommend them whenever I can.—Mrs. Christ H. Westby, Burlington, Wisc.

JUNE PINK.—This may briefly be described as a pink Sparks' Earliana. About ten days earlier than most of the early sorts. Fruits medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is bright pink. Pkt. 5c, oz. 35c, ¼ lb. $1.00, lb. $3.50.

JAPANESE CLIMBING.—A great novelty. Beyond comparison the tallest growing variety that we know of, growing 10 to 12 feet high and bearing fruit way to the tip. Fruits are of a nice medium size, of fine shape, solid, smooth and of a beautiful shining crimson color. They are produced in great clusters and the plant is productive and a continuous bearer. One plant properly trained on a trellis will produce more fruit than a dozen ordinary tomato plants. Fruits contain few seeds and are of superior flavor. If the seed is started early in the house they will begin fruiting in July and one or two well developed plants will produce enough fruit for a small family the entire season, and every owner of a garden, no matter how small, should grow this wonderful tomato. Pkt. 10c, oz. 40c, ¼ lb. $1.25.



JAPANESE CLIMBING.



GOLDEN QUEEN.—Best of the large, common yellow varieties. Fruit smooth, of finest flavor; ripens evenly; a handsome sort. Pkt. 5c, oz. 25c, ¼ lb. 90c, lb. $3.00.

PONDEROSA.—Very large, inclined to be irregular in shape, but of fine quality. Purplish red. Pkt. 5c, oz. 35c, ¼ lb. $1.00, lb. $3.50.

CRIMSON CUSHION.—Persons having only a small garden will appreciate this as it can be grown on trellises and in this way three to four times as much fruit can be grown on same space. Grows 7 to 10 feet high, if desired, but as most of fruit is borne three or four feet from the ground, well out of reach of chickens, it is just as well to trim off tips. Fine quality, extremely large and excellent for slicing or canning. Pkt. 5c, oz. 35c, ¼ lb. $1.00, lb. $3.50.

WONDER MAGNUS.—Of very good size, deep, rich, red color, very solid and containing very few seeds. We secured this variety from the introducers, and as many of our customers know it favorably we do not hesitate to recommend it to all of our patrons. A favorite for canning purposes because of color. Each season seems to add to its popularity for all purposes. Pkt. 5c, oz. 35c, ¼ lb. $1.00, lb. $3.50.

MIXED TOMATOES.—For the benefit of some customers who would like to try all kinds, we offer this mixture of many sorts. Pkt. 5c, oz. 25c, ¼ lb. 75c.

TOMATO PLANTS OF STANDARD VARIETIES ARE OFFEERED AT LOW PRICES ON PAGE 38

TOMATO---Continued

DWARF STONE.—This is a dwarf, upright growing plant with fruits fully as large, as the standard Stone variety. In this sort all the advantages of the stocky, strong-growing plant are fully maintained and the fruits are held up well, while it is far superior to any of the other dwarf kinds in size. Color and quality of fruit is high class and we consider this a really desirable addition to the already large list of tomatoes. Pkt. 10c, oz. 35c, ¼ lb. $1.20, lb. $3.50.

STONE.—One of the best of all standard sorts. Color is a bright red. Fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both north and south, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.75.



THE STONE TOMATO

SEE INSIDE BACK COVER PAGE FOR FULL DESCRIPTION OF THE THREE MAJESTICS.

OUR GRAND TOMATO TRIO

THE THREE MAJESTICS

One Packet Each of the Three Majesties 25c.

MAJESTIC.—Light purple color, enormous fruits of great solidity. Strong grower, vigorous and productive. We have offered this for several years and it grows in popularity each season. Because of extra solidity the Majestics are shy seeders and we will never be able to offer them at the low prices of common sorts. Pkt. 10c; oz. 50c; ¼ lb. $1.50; lb. $5.50.

RED MAJESTIC.—Grows even more vigorous vine than the Majestic. Does best with trellis. Fruits bright cardinal red, extra large, smooth and very solid. A favorite sort for home garden where small space is available. Pkt. 10c; oz. 50c; ¼ lb. $1.50; lb. $5.50.

GOLDEN MAJESTIC.—Largest fruited yellow variety of tomato. We paid a long price for this as it is so far superior to other yellow sorts. Fully equal to the other Majestics in size and solidity. Strong, vigorous grower. Pkt. 15c, oz. $1.00.



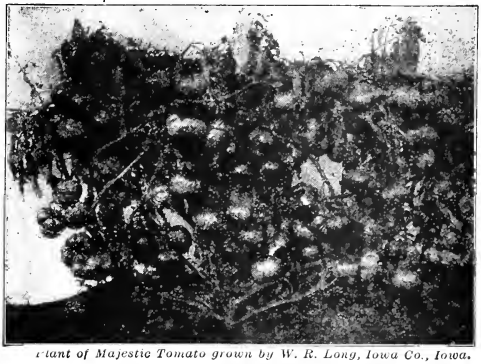
THE DWARF STONE

I have been dealing with your house for 15 years. You handle the best, true to name seeds of any house I have dealt with.—Peter Gengler, Cawker City, Kansas.

The packages of garden seeds you sent me this spring all did well.—Miss Sarah Terry, Chula, Missouri.



GOLDEN NUGGET TOMATO



Plant of Majestic Tomato grown by W. R. Long, Iowa Co., Iowa.

PRESERVING TOMATOES

GOLDEN NUGGET.—When at the Royal Agricultural Show in England, our attention was especially attracted by this grand new variety. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Flavor exceptionally fine, and a most desirable variety for eating from the hand or as a dessert fruit. We have grown them now both on our farm and at our trial grounds, and were more than pleased. Plants were loaded down with most beautiful rich golden yellow fruits of delicious flavor. Try them. Extra fine. Pkt. 10c, oz. 75c.

PEACH.—Named from its resemblance to a peach in size and shape. Color a peculiar shade of pink and orange, differing from ordinary tomatoes. A fine sort for preserving. Pkt. 10c, oz. 40c.

YELLOW PEAR.—A favorite with all who know them. Pear-shaped and a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs"; fine pickled. Pkt. 5c, oz. 30c, ¼ lb. 75c.

CRIMSON CURRANT.—Most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing from twenty to sixty tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

STRAWBERRY, or Husk Tomato.—Also called Ground Cherry. Of spreading habit and immensely productive. Pkt. 5c, oz. 30c.

PICKLING AND PRESERVING

A SPECIAL OFFER FOR THESE USES

We offer in this collection a complete assortment of garden vegetables for sweet and sour pickles or canning and preserving. Every item easily grown and readily prepared for pantry stores. To the housewife it offers a wonderful range of delicious dainties.

1 pkt. Yellow Ground Cherry, for pies and preserves; **1 pkt. Golden Nugget Tomato,** for fig preserves; **1 pkt. Vine Peach,** for sweet or spiced pickles and preserves; **1 pkt. Brussels Sprouts,** for picllill or mangoes; **1 pkt. Crimson Globe Beet,** for pickling or table use; **1 pkt. Sage,** for flavoring; **1 pkt. Dill,** for use in pickle making; **1 pkt. Apple Pie Melon,** for preserves, pies, sweet pickle; **1 pkt. Lemon Cucumber,** for sweet pickle; **1 pkt. Chicago Pickle Cucumber,** for sweet, sour or dill pickles; **1 pkt. Golden Queen Pepper,** for mangoes and picllill; **1 pkt. White Barletta Onion,** for pickling or flavoring.

ONE EACH TWELVE ABOVE PACKETS, POSTPAID, 50c.

TURNIP

One ounce will sow 150 feet of drill. Two pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; leaves few, short, and light color; grows compact and makes exceedingly small strap-leaved top. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.00.

EARLY WHITE MILAN.—Much like the above, but is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.00.

EARLY SNOWBALL.—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of best keeping of white fleshed sorts, very early and particularly adapted for family or market use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE EGG.—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. Flesh very sweet, firm and mild, never having any rank, strong taste. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

GOLDEN BALL, or Orange Jelly.—A beautiful bright yellow turnip of medium size and universally sweet and delicious flavor. Is hardy and one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball in your home garden this year. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

PURPLE TOP GLOBE.—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top market price. Desirable for table use or for stock. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, 40c per lb.

PURPLE TOP STRAP LEAVED.—The standard for this part of the country for late planting, and we sell immense quantities of it every year. One of the best table and stock sorts on the market; fine grained and of mild flavor. Of good size, flat shape, pure white below with purplish red top. Good cropper and excellent keeper. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c; 5 lbs. or more, not prepaid, at 45c.



PURPLE TOP GLOBE

COW HORN.—This variety pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

SCARLET KASHMYR.—This new extra early, bright scarlet turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. Good keeper and entitled to a place among garden favorites. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. $1.00.

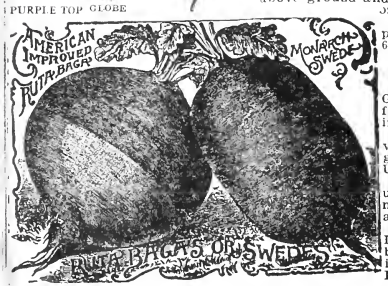
SEVEN TOP.—Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is recommended only for tops. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

RUTA BAGA

Largely grown in the north for stock feeding, and for this are superior to turnips. Sow not later than June in drills 2 feet apart and thin out to 8 inches in the row.

IMPROVED AMERICAN.—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, at 40c.

MONARCH.—This grand new and distinct form of ruta baga is, we believe, by far the most productive of all. Of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained, good quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, at 40c per lb.



WHITE SWEET GERMAN.—Large size, oval and very solid; flesh pure white, sweet. Best keeping sort. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, at 45c per lb.

TOBACCO

BIG ORONOCO.—A favorite Virginia variety. Grows very large, broad leaves. A fine variety for dark plug wrappers and brings a good price in the market. Pkt. 5c, oz. 30c, ¼ lb. $1.00.

CONNECTICUT SEED LEAF.—This is a staple variety in all sections of the country and will grow successfully over a wide range of territory. Used for cigar fillers. Pkt. 5c, oz. 25c, ¼ lb. 75c.

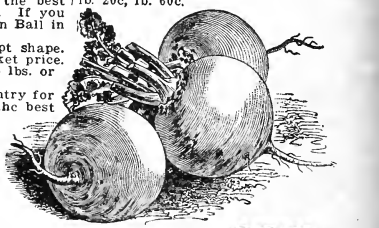
HAVANA.—The best known variety, as it is used very largely for cigar wrappers. Commands the highest market price when well grown and cured. Pkt. 5c, oz. 40c, ¼ lb. $1.25.

WHITE BURLEY.—A mild and sweet tobacco. It is the standard main crop variety in the tobacco sections as it is extra fine for manufacturing in nearly every manner that tobacco is used. Pkt. 5c, oz. 30c, ¼ lb. $1.00.



TOBACCO

MIXED TURNIPS.—All the table varieties mixed in equal proportions. For family use. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.



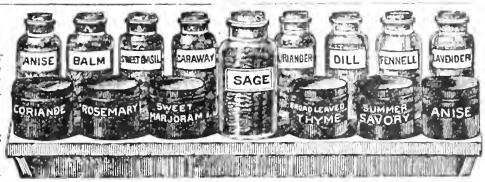
WHITE EGG.



PURPLE TOP STRAP LEAF

HERBS

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from air. Those marked with an asterisk (*) are perennial.



ANISE.—Seeds of agreeable, aromatic taste. Pkt. 5c; oz. 10c.

BALM.—For making balm tea. Pkt. 5c; oz. 25c.

BASIL, SWEET.—For flavoring soups, stews, etc. Pkt. 5c; oz. 15c.

BORAGE.—Leaves used for flavoring. Pkt. 5c; oz. 15c.

***CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt. 5c; oz. 10c.

***CATNIP, or Catmint.**—For seasoning. Pkt. 5c; oz. 30c.

CORIANDER.—Seeds used in confectionery. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CASTOR OIL PLANT.—Seeds are pressed out to obtain oil. Pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 50c.

***CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c; oz. $1.50.

***DANDELION.**—Grown for greens, also for medicine. Pkt. 5c; oz. 35c.

DILL.—Used in making dill pickles. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

***FENNEL, SWEET.**—Leaves used in sauces. Pkt. 5c; oz. 10c.

***HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c; oz. 20c.

***HYSSOP.**—For asthma and catarrh. Pkt. 5c; oz. 20c.

***LAVENDER.**—Used as a perfume. Pkt. 5c; oz. 15c.

MARJORAM, SWEET.—For seasoning. Pkt. 5c; oz. 15c.

POPPY, or Maw.—Blue Seeded. Pkt. 5c; oz. 10c.

***ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c; oz. 40c.

***RUE.**—For medicinal uses; good for fowls. Pkt 5c; oz. 15c.

SAFFRON.—Flowers used for coloring. Pkt. 5c; oz. 15c.

***SAGE.**—Much used for dressing. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.50.

SUMMER SAVORY.—Used for flavoring. Pkt. 5c; oz. 10c; ¼ lb. 30c.

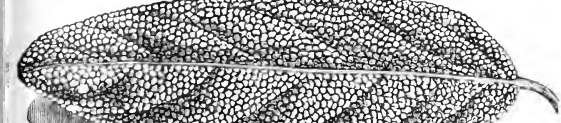
SWEET WOODRUFF.—A sweet-scented herb; forms the principal ingredient of the famous German Maitrank. Pkt. 5c; oz. 50c.

***TANSY.**—Cultivated for medicinal purposes. Pkt. 5c; oz. 40c.

***THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c; oz. 40c.

***WORMWOOD.**—Used medicinally, and also for poultry. Per pkt. 5c; oz. 20c.

MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 15c; ¼ lb. 45c.



HOLT'S MAMMOTH SAGE—AVERAGE SIZE LEAF

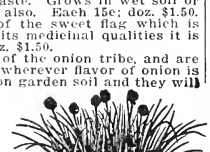
ARTEMISIA, or Brotan.—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c; 3 for 40c.

BALSAM MINT.—Has a soft, agreeable fragrance and is used for perfume; also used for flavoring soups, salads, etc. Each 15c; 3 for 40c.

CALAMUS—Plain Leaf.—(Acorus.)—Also called "Sweet Flag." Leaves have an aromatic odor and roots a pungent taste. Grows in wet soil or beside ponds, but can be grown in dry places also. Each 15c; doz. $1.50.

Variegated.—A variegated-leaved variety of the sweet flag which is preferred to the plain because in addition to its medicinal qualities it is useful as an ornamental plant. Each 15c; doz. $1.50.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 10c; 3 for 25c; doz. 85c.



CHIVES

CATNIP, or Catmint.—A well known perennial herb having great medicinal value. Used largely for infants. Ea. 10c; 3 for 25c; doz. 75c.

HOP ROOTS—English Cluster.—A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 10c; 3 for 25c; doz. 75c.

LEMON MINT.—Also called Citronelle and Bergamot Mint. A perennial, hardy herb, leaves of which furnish a sweet lemon fragrance and flavor. Each 10c; 3 for 25c; doz. 75c.



ENGLISH CLUSTER HOP

MONARDA DIDYMA.—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental for its bright scarlet flowers. Each 10c; 3 for 25c; doz. 75c.

PEPPERMINT.—All children know and like the flavor of peppermint. It has a high medicinal value. Each 10c; 3 for 25c; doz. 75c.

GENUINE PENNYROYAL.—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c; 3 for 40c; doz. $1.25.

ROSEMARY.—Used for perfume; for flavoring meats, stews, etc., and garnishing. Each 10c; 3 for 25c; doz. 75c.

HOLT'S MAMMOTH SAGE.—Great improvement on common sage. Plants very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space three feet in diameter; leaves are borne well above the soil; very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort; hardy. Each 10c; 3 for 25c; doz. 75c.

GARDEN PLANTS AND ROOTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least twenty-five cents. We pay the postage.

LAVENDER.—A favorite plant with our grandmothers for perfuming wearing apparel, by distributing its sprays in the bureau drawers. Each 10c; 3 for 25c.

VARIEGATED MAMMOTH SAGE.—Beautifully variegated dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. Each 15c; 3 for 35c.

SPEARMINT.—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, mint julep, etc. Each 10c; 3 for 25c; doz. 75c.

THYME.—A well known plant which is used for sauces and flavoring. Each 10c; 3 for 25c.

TANSY.—Used largely for its tonic, stomachic and other medicinal qualities. Each 10c; 3 for 25c; doz. 75c.

TARRAGON.—The true tarragon is appreciated thoroughly by all who know of it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 15c; 3 for 40c; doz. $1.25.

HOUSEWIFE HERB COLLECTION

3 bunches Chives, 1 Hop Vine, 2 Holt's Mammoth Sage, 2 Lavender, 1 Rosemary and 3 Spearmint; all postpaid for $1.00.



TARRAGON

NO PANTRY IS REALLY COMPLETE IN WINTER WITHOUT ITS ASSORTMENT OF HERBS



Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice. All are strong, transplanted plants unless otherwise stated. Plants quoted "by mail" are sent at our expense; "by express" the purchaser is to pay the express charges. No charge either for packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. 500 sold at 1,000 rate. Large orders for more than 1,000 plants should be placed at least 30 days before shipping date.

EARLY CABBAGE.

Transplanted ready April 10.
Extra Early Express.
Early Jersey Wakefield.
Washington Wakefield.
All-Head Early.

By mail postpaid, 25 for 25c, 100 for $1.00. By express, not prepaid, 100 for 85c, 1,000 for $7.50.

If preferred we can furnish seedling plants, not transplanted, by mail postpaid, 25 for 25c, 100 75c. By express, not prepaid, 100 for 60c, 1,000 for $4.00.

LATE CABBAGE.

Ready May 15; field grown after June 15.
Premium Flat Dutch.
Short Stem Drumhead.
Danish Ball Head.

By mail postpaid, 25 for 25c, 100 for 65c. By express, not prepaid, 100 for 45c, 1,000 for $3.50.

CELERY.

Transplanted ready May 1.
White Plume. Giant Pascal.
Golden Self Blanching.

By mail postpaid, doz. 20c, 100 for 75c. By express, not prepaid, 100 for 60c, 1,000 for $4.50.

After June 15 we can furnish outdoor grown plants, not transplanted, by express, not prepaid, 100 for 40c, 1,000 for $3.00.

Transplanted ready April 15.
Henderson's Snowball.

By mail postpaid, doz. 25c, 100 for $1.50. By express, not prepaid, 100 for $1.25, 1,000 for $10.00.

TOMATO.

Transplanted ready May 1.
Sparks' Earliana. Beauty. Stone.
Dwarf Champion. Matchless.

By mail postpaid, doz. 25c, 100 for $1.40. By express, not prepaid, 100 for $1.00, 1,000 for $7.50.

Not transplanted, by express, not prepaid, 100 for 75c, 1,000 for $5.00.

SPECIAL TOMATO.

Transplanted plants only.
Majestic, Red Majestic.
Yellow Majestic. Dwarf Stone.

By mail postpaid, doz. 40c, 100 $2.00.

Pot Grown Plants, doz. 75c, postpaid.

VEGETABLE PLANT COLLECTION

JUST ENOUGH FOR THE HOME GARDEN

READY FOR MAILING MAY 1st.

It often happens that you would prefer to buy a few vegetable plants rather than bother with growing from seed. We appreciate this fact and offer you the following collection as a veritable bargain:

12 Tomatoes, 25 Early Cabbage, 6 Pepper, 6 Egg Plant, 25 Celery, 50 Sweet Potatoes. All by mail, postpaid, for $1.00.

EGG PLANT.

Hotbed grown ready May 1.
New York Improved.

By mail postpaid, doz. 25c, 100 for $1.50. By express, not prepaid, 100 for $1.25, 1,000 for $10.00.

GROUND CHERRY.

Transplanted ready May 1.
Improved Yellow.

By mail postpaid, doz. 25c, 100 for $1.25. By express, not prepaid, 100 for $1.00, 1,000 for $8.00.

PEPPER.

Transplanted ready May 1.
Red Chili. Large Bell. Ruby King.

By mail postpaid, doz. 25c, 100 for $1.25. By express, not prepaid, 100 for $1.00, $1,000 for $7.50.

SWEET POTATO.

Ready May 1. Plants strong and vigorous, well rooted and hardy. Prices subject to change, depending on crop conditions. Ask price on large lots.
Yellow Jersey. Yellow Nansemond.

By mail postpaid, 100 60c. By exp., not prepaid, 100 for 40c, 1,000 for $3.00.
Red Jersey. White Southern Queen.

By mail postpaid, 100 for $1.00. By express, not prepaid, 100 for 75c, 1,000 for $5.00.


ASPARAGUS

ASPARAGUS ROOTS

It pays to have a small bed of asparagus so as to gather it fresh, and when once set, a bed will last many years. Our roots are strong and healthy. We recommend the one-year-old roots as more desirable for general planting than the two-year-old, as well as cheaper. Ask for circular giving directions for planting.

CONOVER'S COLOSSAL.—One year plants.—Per doz. 25c, 100 for 90c, postpaid. By express or freight, not prepaid, 100 for 60c, 1,000 for $4.00.
Two year plants.—Per doz. 50c, 100 for $1.40, postpaid. By express or freight, not prepaid, 100 for 90c, 1,000 for $6.00.

PALMETTO.—One year plants.—Per doz. 30c, 100 for $1.00, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for $5.00.
Two year plants.—Per doz. 55c, 100 for $1.50, postpaid. By express or freight, not prepaid, 100 for $1.00, 1,000 for $6.50.

COLUMBIAN MAMMOTH WHITE.—Per doz. 30c, 100 for $1.10, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for $5.00.
Two year plants.—Per doz. 55c, 100 for $1.50, postpaid. By express or freight, not prepaid, 100 for $1.00, 1,000 for $6.50.

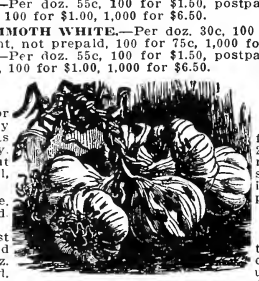

HORSE RADISH SETS

RHUBARB ROOTS

Everyone realizes the value of rhubarb or pie plant in the home garden. The best way to get a start is to purchase a few roots, as you can save one year's time in this way. The roots we offer are not seedlings but large divided plants. Plant in spring or fall, setting plants 3 feet apart each way.

VICTORIA.—The standard for general use. Each 15c, 5 for 70c, dozen $1.50, postpaid. By express, not prepaid, per doz. $1.00.

IDEAL MAMMOTH.—The largest and best variety. See description in vegetable seed department. Strong roots 25c each, doz. $2.00, postpaid. By express, not prepaid, per doz. $1.50.


GARLIC ROOTS.

HORSE RADISH

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row. It does best in rich, loose soil set slanting and covered about two to three inches. Doz. 15c, 100 75c, postpaid. By express, per 100 50c, 1,000 for $4.00.

GARLIC

Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 40c, postpaid. By exp., lb. 25c, 10 lbs. $2.25.

FARM SEED DEPARTMENT

EXPERT PRODUCTION EXPERT SUPERVISION EXPERT SERVICE

There is no farmer whom we cannot benefit in some way if he will patronize our farm seed department. A careful comparison of the crops he is now producing with the stocks we are offering will certainly show in our favor somewhere along the line. If your corn is beginning to run out or becomes barren, we can supply the foundation for increased yields and thoroughbred stock. If the small grain has failed in any way or has become diseased, we can supply choice seed of the varieties that have proven best by test. If you are in need of grass seeds of any kind we can furnish seed of better quality than you can procure elsewhere. Perhaps you think these statements rather strong. They are strong, but we are willing to back them up by submitting free samples for comparison before you buy. We are also willing to give you privilege of inspection and test for fifteen days after receiving them and will take them back within that time and return your money if they do not please you.



Let us help you improve your crops, both in quality and quantity

We put time and money and painstaking care into the farm seed line. We have to. We must supply better seeds than you can get elsewhere if we are to have your trade. The present-day farmer raises good grains and if we are to surpass him in quality, we have to keep wide awake and progressive. If our grass seeds are to excel in purity and vitality, it requires the closest scrutiny in buying and cleaning. We ask your trade solely upon our ability to please you.



WAREHOUSE, 208-210-212 SOUTH EIGHTH ST. WHERE ORDERS FOR FARM SEEDS ARE FILLED.

PRICES named in this department are always subject to important market changes. All quotations are net and are not subject to any premium or discount. Clover and grass seeds are constantly varying in value, and we issue a price list daily during the busy season. Please write for quotations, sending list of requirements when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

SHIPPING.—In this department everything that is quoted by the packet or pound is sent by mail, postpaid; all larger quantities, unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags and delivering to depot here.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find we are right.

THE SINCERE EFFORTS AND SPLENDID FACILITIES OF THE ENTIRE ESTABLISHMENT ARE AT YOUR SERVICE

OUR SHIPPING WAREHOUSE

Has side-track capacity for seven cars at once, and loading stations for five wagons at the same time. It houses the most modern electric cleaning machinery with capacity for 1,000 bushels of grass seed per day. It contains a seed drier which will thoroughly cure a car load of grain each day. The superintendent of this department has been with the house more than twenty years in that position, and the business has increased ten fold in that time.

OUR EXPERIMENT GROUNDS

We make provision at our Altoona Farm for planting test plots of the various grains which we offer, and also to note the comparative growth of varieties offered by others. We also test new things as offered, so that we may catalogue only proven sorts and be better able to answer inquiries from customers. Our customers secure the benefits of all this painstaking care, and may be assured that the varieties of grain we offer are suited for their planting.



OUR NEW SEED GRAIN ELEVATOR AT ALTOONA

WE THOROUGHLY CURE our grain and seed corn. We purchased and erected in our warehouse a drier, especially for the purpose of kiln drying such of our seed grains and corn as might require artificial ripening to protect the germ. It will thus be seen that we have provided every possible protection for our customers so that they may be assured of clean, pure and vital farm seeds for their planting, and on this basis we ask your trade.

OUR NEW ELEVATOR

Erected two years ago at Altoona. We did not have room in the city for the immense amounts of grain neeessary for our trade and we built this elevator with numerous separate bins; with a storage capacity so that we might have a place to store the excess seed grain until needed for shipment, and quickly execute large orders for car lots. It is equipped with electric cleaning and grading machinery to improve the quality of the grain as it comes in from the threshers, and we can handle a car load through the elevator in less than one hour if necessary.

We Buy Under the Microscope

Our grass seeds are all subjected to a strict microscopic examination and test. Many lots are rejected because they contain weed seeds or other impurities that render them unfit for our trade. We will not offer to our farmer customers any grass seeds that we would not be willing to sow on our own farms. We give expert attention to recleaning all grass seeds received, taking out all sand, dirt and trash, and the result is that the grass seeds we offer are as good as money and skill can produce.

OUR SEED CORN HOUSE

At Altoona, eleven miles east of Des Moines, is, we are sure, the best arranged and most complete building in America for this purpose. The outside walls are made up almost entirely of doors which can be lifted for ventilation and are in fact kept open all the time except during very cold or stormy weather. The interior arrangements consist mainly of very narrow high cribs with ventilators running through the entire length of them and narrow passages between the cribs. There is a very extensive system of steam pipes underneath which are used as needed for drying the corn and also to keep out moisture during foggy weather and to protect it from freezing.



SEED CORN HOUSE AT ALTOONA

NO CHARGE FOR BAGS. THEY ARE FURNISHED FREE WITH SEEDS AT CATALOGUE PRICES

It costs less than 45 cents an acre to use our carefully selected SEED CORN.

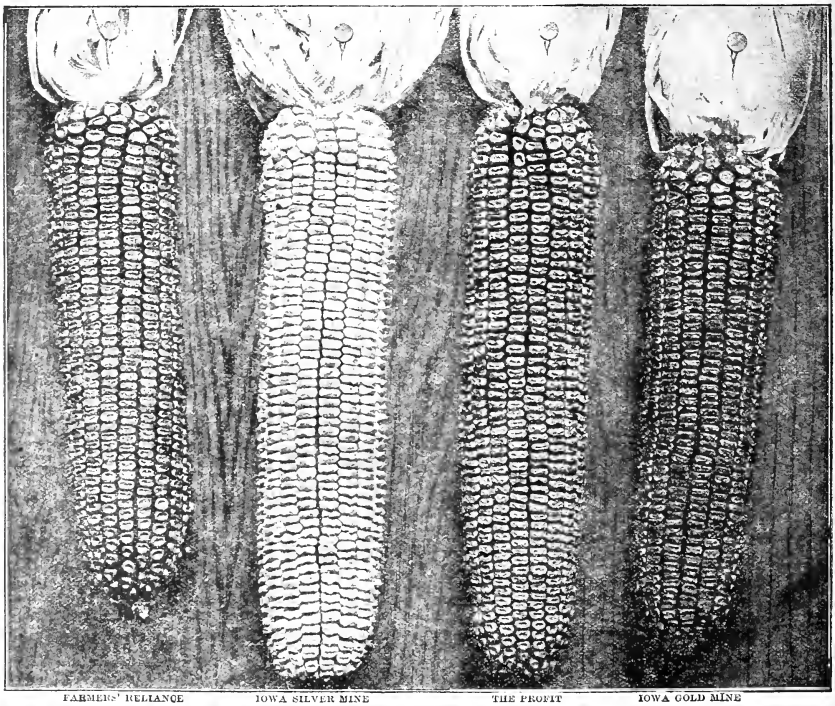
SEED CORN

Do you deem it wise to risk doubtful corn when GOOD SEED is so cheap?

GROWN, SELECTED, CURED, GRADED AND TESTED BY THE IOWA SEED COMPANY

Do you raise a hundred bushels of corn to the acre? If not, why not? It is not an impossibility. There are hundreds of verified records of even greater yields than this. It is not a difficult thing to do. Of course, soil conditions must be right. If your soil is not in its best possible form, the fault lies with you. By a well managed rotation or the use of soiling crops and fertilizer you can always correct the faults of the soil. Given good soil, the next step is good seed. It does not pay to use any but the very choicest thoroughbred seed, no matter what the conditions. The third requirement is intelligent cultivation. We do not think so much improvement is required in this work, because, generally speaking, good cultivation is the rule.

Is our seed corn any better than the kind you are growing? We do not know. We do know this, however: that the seed corn we sell is produced under special supervision strictly for seed purposes. It is most carefully inspected and sorted for type and purity before shelling. It is thoroughly graded and tested to insure strong and even vitality. With such corn as this, planted three grains to the hill, you ought to have more than ten thousand stalks to the acre and at least one good ear to each stalk. Such results mean more than a hundred bushels per acre. We have the men, we have the soil, and we spend the time and money necessary to produce the very best seed corn. With all our economy of labor and machinery, it costs money and lots of money to make good seed corn, but the matter of expense must be secondary to quality, and our customers actually get full value when they purchase our seed corn.



FARMERS' RELIANCE IOWA SILVER MINE THE PROFIT IOWA GOLD MINE

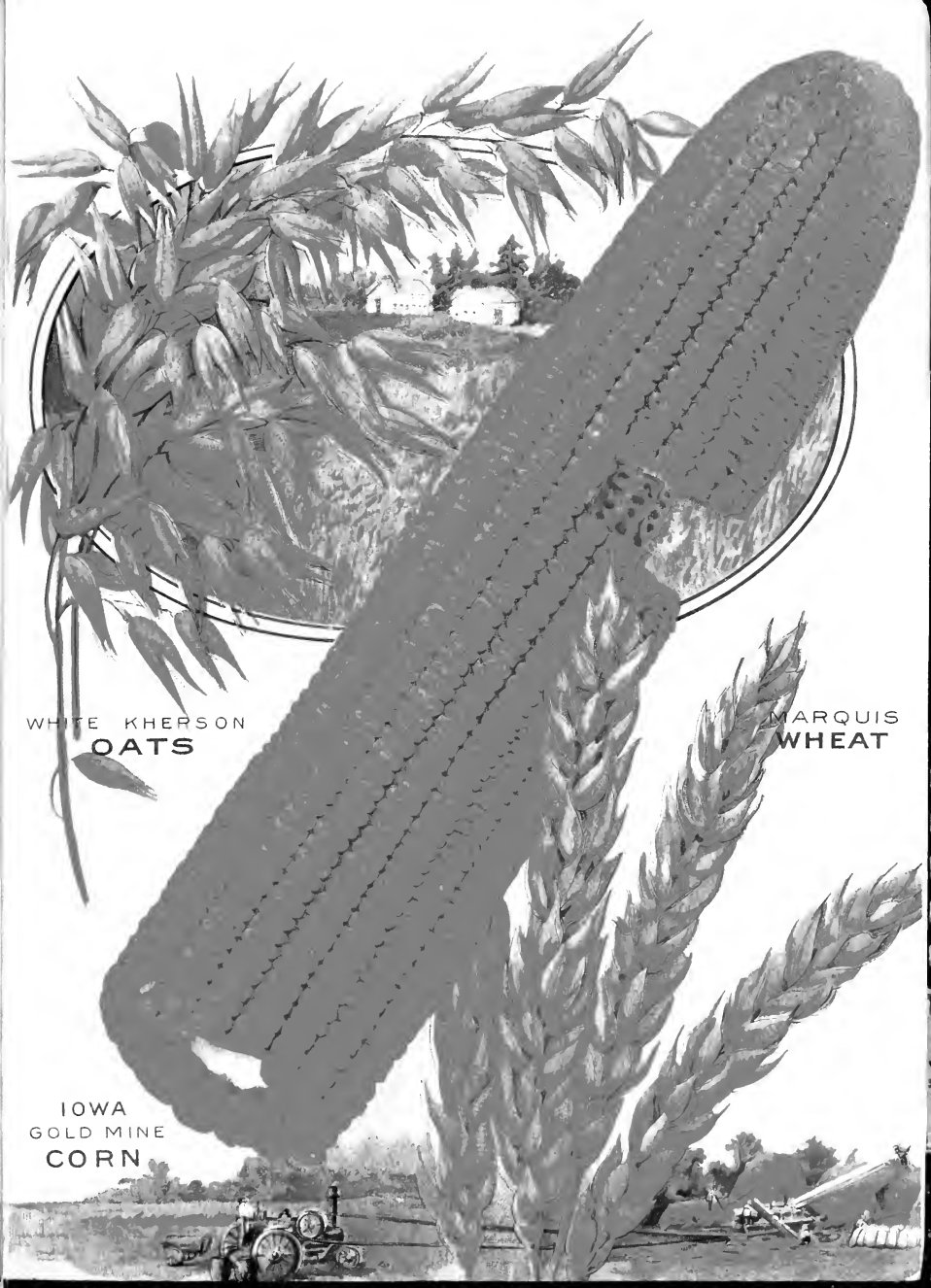
HERE IS A SAMPLE OF THE SEED CORN WE GROW AND SELL

An Actual Photograph---Not "Faked" Not Even "Retouched"

Taken From Four Sample Ears, Showing the Actual Type of Different Varieties Illustrated

What is the value of a bushel of seed corn? Every farmer answers this question according to his ideas of seed corn. There is and can be no fixed price or standard. Ten ears have been sold for two hundred dollars, while more frequently seed has been selected from corn bought on the market at fifty cents per bushel. We have been producing seed corn for thirty years. Experience has taught the operations necessary to produce seed of the highest type and quality, and we have so systematized the labor that we are able to make good seed for less than would be required under ordinary conditions. With us, the work has become standardized, so that the cost of seed corn varies but a few cents from one year with another. Our price to you is based upon the cost to us, and we offer you our seed corn at as low prices as possible under the methods we use. Compared to real value, however, and from the standpoint of results, we do not think you can buy corn of equal quality for so low a price anywhere in this country.

Here is another thing: If you don't find the corn satisfactory on inspection and test you can return it within fifteen days and get your money back. Can any offer be fairer? What more can we do? We cannot guarantee a crop, that would be folly, but we let you be the judge. The purchase rests entirely on your judgment.


WHITE KHERSON
OATS
MARQUIS
WHEAT
IOWA
GOLD MINE
CORN

GREATEST GRAIN CROPS FOR FARMERS

The Best New Introductions In Improved Varieties of Wheat and Oats. Superior to Older Varieties in Adaptability and in Quantity Produced.

MARQUIS WHEAT

IOWA GROWN, ACCLIMATED SEED.

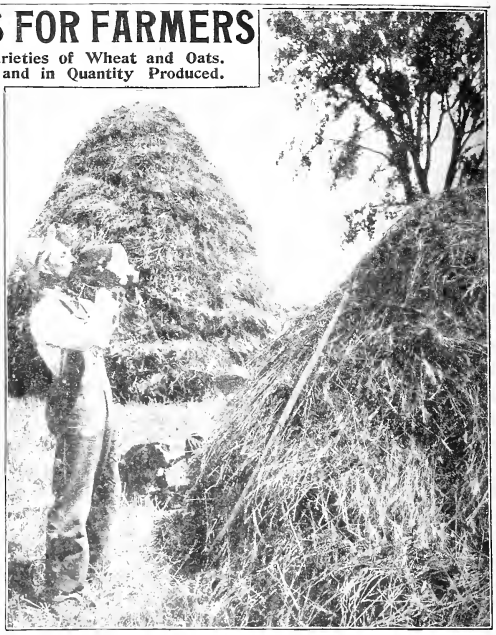
A brief description of this variety will be found on page 50 of this catalogue, and in addition to the statements thereon, we can, after three years' production in this vicinity, recommend it to our customers as fully warranting its claims to preference for a beardless spring variety. We believe that winter wheat is more profitable as a rule in Iowa and south, but it is not always possible to use winter wheat in the crop rotation. If for any reason you intend to sow by spring wheat, sow Marquis. It averaged over 25 bushels per acre in our seed field last summer and this is much more than other spring varieties. It is not our policy to make extravagant claims for new things but we feel that the Marquis wheat is really better than any of the older beardless spring wheat varieties, and especially in Iowa and sections where the ordinary spring sorts are not so likely to succeed. We expect to see wheat a profitable crop this year, especially if you sow Marquis. Per lb. 25c; 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 65c; bu. $2.00; 10 bushels for $18.50.

WHITE KHERSON OATS

BRED AND KNOWN AS IOWA 103 AT THE AMES AGRICULTURAL COLLEGE.

This is the splendid new oats which has been bred by Professor L. C. Burnett at the Iowa Agricultural College, who selected it as the most promising of the hundreds of new types in his breeding plots. We offer it as the best early white oats on the market. We have grown it on our farms for four years. In 1911 we gave it trial in our plots in competition with a long list of standard varieties. In 1912 we grew a field of it for the College for distribution in the crop extension work. In 1913 we produced a crop for our own trade, but as we had only a limited supply we did not offer it to our friends but concluded to wait one year more until sufficient stock could be offered. In 1913 we listed it in our catalogue and this year we are featuring it and we want all our friends to make a start of White Kherson. Our four-year test confirms our faith in its excellence. Bred from the Yellow Kherson, it retains the valuable features of that sort. It has rather short but strong straw, ripens very early, has long, well filled heads, with medium size, plump, white berry. We believe that the essential points in oats production are select seed, early planting and early maturity. In the White Kherson we offer all the essentials to success, and if our friends will get them in early they can greatly increase their oat crop with this variety. Per lb. 20c; 3 lbs. 50c, postpaid. By frt or express, not prepaid, pk. 50c; bu. $1.60; 10 bushels for $15.00.

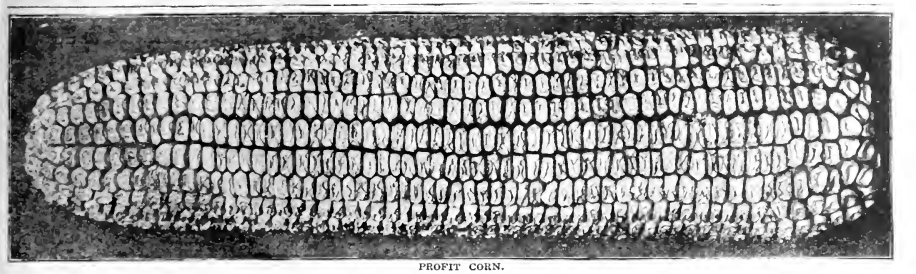




IOWA GOLD MINE CORN

ORDINARY CORN 20 PER CENT COB; IOWA GOLD MINE ONLY 10 PER CENT COB.

Every farmer needs a field of Iowa Gold Mine Corn, with the possible exception of the man who hauls his crop to market on the ear. If you sell Gold Mine in this form you are the loser, because you actually give the dealer six or seven extra pounds to the bushel. Don't raise Iowa Gold Mine to sell. Raise it to feed to stock. For this purpose it is the most profitable of all varieties. You can begin to feed it a month in advance of the large-eared sorts. It contains more oil and sugar in a bushel of ears than any other variety. It always ripens, does not mold or heat, and you always have sound, rich grain that is readily digested and builds flesh in a wonderful way. It is the best variety for grinding cob and all, as the proportion of cob is so small that when ground in this way nearly the entire product is digestible. Even if you expect to haul the greater part of your corn crop to the elevator, you can still plant some Iowa Gold Mine on the farm with profit to yourself. There is more or less corn consumed on every farm and such corn in our judgment should all be Gold Mine, because it is unquestionably the best feed corn now in existence. Under present conditions it pays to turn corn into beef, pork, mutton, poultry and other meat products on the farm. In fact, it would seem that this method of farming offers the greatest returns to the farmer at this time. See page 44. Lb. 25c; 3 lbs. 60c; 7 lbs. (will plant one acre) $1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 90c; bu. $3.00; 2 bu. or more at $2.85 per bu.; 10 bu. for $26.00.



PROFIT CORN.

THE PROFIT CORN

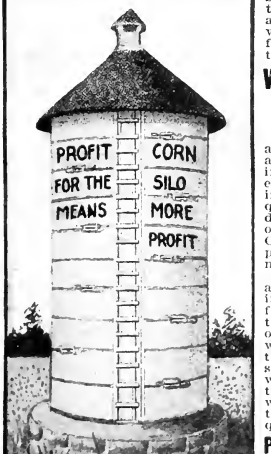
Our Oldest Thoroughbred Corn. More than Thirty Years of Pedigree

We believe the Profit Corn will produce more actual feed per acre than any plant the farmer can raise

NOTHING EQUALS IT IN LOW COST PER POUND

This variety will produce 100 bushels of ear corn per acre. In addition to a heavy yield of grain, it will also produce an immense amount of fodder or stalks for ensilage. If you have a silo, there is no corn in the entire list that will approach it in value to you. We believe that every farmer nowadays appreciates the value of the silo and we know that they are building thousands of them every year. The farmers appreciate the saving to them by the use of these buildings, but if you plant small corn, or the ordinary types from which to fill the silo, you do not secure the full returns from your fields. With the expense incurred, you have a right to expect the greatest returns for the money invested. This can only be secured where you produce the largest quantity of feed per acre that it is possible to raise upon the land. We offer you the Profit Corn to meet this need.

Corn for the silo does not necessarily have to be fully matured like it does if you are to crib it on the ear. If you are in the northern part of Iowa, or the Corn Belt, you can raise Profit Corn for silage, but we would not advise you to plant it expecting to crib it in the ordinary manner. It will mature, however, wherever Reid's Dent can be successfully grown, and we think it will yield more corn, and we know it will produce more stalk than that well known variety. If you have a shredder, or if you use corn for fodder in any way, you will find no variety as valuable as the Profit. It produces big ears on big stalks. It contains the largest amount of sugar and starch in each plant, and matures a big crop. You can raise it profitably, either for market or for feeding, and we recommend it without reserve to our friends and customers who want to secure the most profit.



THE BRIEF THIRTY YEARS' HISTORY OF OUR PROFIT CORN

This is our oldest corn. It came to us through our Mr. Kurtzweil before he joined the firm, when he was growing seeds for the company under private contract. He insisted that this corn was so much better than the ordinary corn as then planted that we ought to offer it for sale. Inspection proved him to be correct, and the corn was catalogued, but with indifferent success, as nobody seemed to want to buy seed corn. When Mr. Kurtzweil joined the company as a partner in 1889 he brought this corn with him and has kept it in the family ever since. It is still grown under his personal supervision ,and he watches very closely the individual ears that are selected for stock seed each year. It originated from a carefully prepared cross of two well known sorts and when first introduced contained many grains showing a light cap, thus giving it a rather raised appearance. From the steady and careful handling this feature has been gradually eliminated until at present it is but little noticeable and hardly appears at all in the shelled corn. It is really one of our handsomest corns when shelled, and like Iowa Gold Mine sells readily on sight. We will mail you a sample if you want to see it. The improvement in appearance has not been made at the expense of any valuable qualities.

WE RECOMMEND IT HIGHLY AS A GENERAL PURPOSE CORN

The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of shelled corn (not cobs), maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small for size of ear and dries out rapidly, thus making it a sure cropper. Corn is solid on the cob, the kernels appearing driven in, and it shells out immensely.

This variety does not mature so quickly as either Gold Mine or Silver Mine, requiring 110 days, and we do not recommend it for planting in the extreme northern districts of Iowa, if a crop of grain is desired, or if the corn is to be sold in the ear, but we think it is the best corn for silage in the northern districts, as it will mature sufficiently for that purpose. It will do well in the two central and southern districts for all purposes, and we believe it will produce more bushels of shelled corn than any variety with which we are acquainted.

PRICES: **Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00 by mail or express prepaid. By frt. or express, not prepaid, pk. 90c, bu. $3.00, 2 bu. or more at $2.85 per bu., 10 bu. for $26.00.**

JUST A FEW OF THE REPORTS ABOUT PROFIT

A prominent Polk County (Iowa) farmer says: *"Profit corn has outyielded every other variety on my place. Ears are large, extremely solid, and grain is deep. It shells out more than other sorts."*

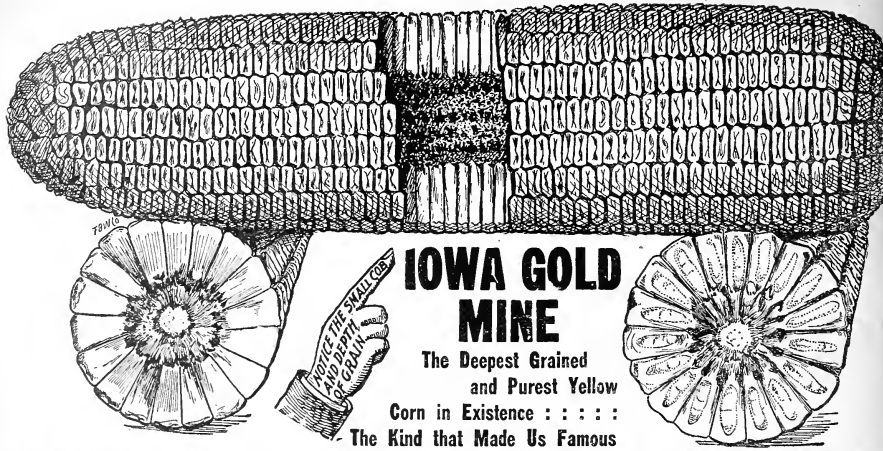
A customer in Sullivan County, Mo., writes: *"Your Profit Corn was very satisfactory this year, although I planted it quite late in the season."*

A neighbor to the west of us, living in Guthrie County, Iowa, says of the Profit Corn: *"I like it and shall plant entirely of it next season. It is solid and heavy and feels profitable while you are husking it. Matured better than any other corn there being less loose or chaffy ears than usual with other varieties this season."*

From over in Illinois comes the following report: *"The Profit Corn I received from you last spring has the right name. It is the best corn for stock. It grows large and is solid and also contains a greater proportion of fat than any corn in our country."*

Still further east, over in Ohio, we have a customer who writes us: *"I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield."*

Across the Missouri river in Nebraska the Profit has made friends. One of our customers reports: *"Your Profit corn proved a great drouth resister. Every stalk had a good ear while other varieties of corn yielded but very little. If I had planted my fifty acres with Profit, even at your high price as I thought for seed, I would be many dollars ahead on my crop."*



THE GREATEST CROP FOR THE NORTHERN FARMER OR FOR THE LIVE STOCK FEEDER

With cattle at ten cents per pound, live weight, and corn one cent per pound, what is the answer? Better sell the corn in the cattle. Every inducement of the present market, every prospect for the future, strongly urges the increased production of live stock. How any farmer can haul corn to market in view of present conditions, is a thing we can hardly understand. Surely the obvious thing to do is to market all the live stock you can possibly produce. Any kind of corn, almost, will make a profit for the feeder under present circumstances, but good business demands the use of that variety of corn that goes farthest in feeding and produces the most growth at least expense.

The Gold Mine Is Best of All

It ripens in ninety-five days and never fails to mature. It does not mold or spoil if cribbed at proper time, and is the most certain to succeed in adverse seasons. It is all corn and corn of extra quality. We have sold it for twenty-five years, and each season we have a higher opinion of its value. Our farmers want great big corn. We think this is a mistake. We believe a medium-sized corn of the quality of our Gold Mine—one that can always be depended upon to ripen—is to be preferred to the larger, later sorts. This view is confirmed by thousands of testimonials as to the productiveness and quality of the Gold Mine from farmers who plant for home consumption. Plant three in a hill, on strong, rich ground, give it good cultivation and you will produce as many bushels of ears per acre as you can of the larger kinds and a much greater quantity of shelled corn—the real test of value to the feeder. It would seem at casual glance that a variety of corn would cease to hold its place among the leaders after twenty-five years. We have maintained ours above among the five leading sorts by constant selection of stocks, by keeping it true to type in spite of all temptations to increase the size of the ear and stalk. We have found that to increase the size of the ear means larger cob and less corn, a larger stalk means slower growth and later maturity. In other words, if you secure advance in size you lose earliness, soundness and depth of grain, and the gains do not offset the losses. You will find these advantages fully as great compared with any of the present-day large sorts. We breed Gold Mine constantly to the rough type, with open grain and extra small cob. Ordinary field culture in a few years reduces the hackle until the corn is almost smooth. It also grows more compact upon the cob.

SOME SHORT STATEMENTS ABOUT GOLD MINE.

From New York: *"I bought some Iowa Gold Mine Corn of you, and it is the best corn I ever used in my life."*

From Wisconsin: *"The Iowa Gold Mine Corn is the best I ever saw, and it is well adapted to this climate."*

From Colorado: *"Your Iowa Gold Mine Corn was early and stood the drouth remarkably well. I never made a better investment in my life."*

From Illinois: *"The Iowa Gold Mine Corn yielded three times as much as any other variety. Think it is the best corn I have ever seen.*

From Ohio: *I purchased some Iowa Gold Mine Corn of you which did exceedingly well here. I took three premiums on it at three dif ferent county fairs."*

From Missouri: *"I think Iowa Gold Mine the best corn of all, and am perfectly satisfied with it."*

From Kansas: *"The Iowa Gold Mine Corn I got from you has done fine. It has been in ear two weeks ahead of any other field corn."*

From Texas: *"From your sam ple package of Iowa Gold Mine Corn I had just twenty four stalks and there were sixty four ears on them."*

From Iowa: *"The Iowa Gold Mine Corn surprises everyone by its deep grain and small cob. It sheds out about six pounds to the bushel more than any other sort."*

A FEW OPINIONS OF IOWA SILVER MINE.

From Arkansas: *"The seeds purchased from you produced the finest yields ever seen in our country. The Iowa Silver Mine corn yielded 188 bushels per acre."*

From Missouri: *"I planted the Silver Mine on a piece of land a little less than one acre. The other day I husked 12 shocks and got 42 bushels of good corn. At this rate I will harvest about 131 bushels of corn per acre."*

From Kansas: *I am especially pleased with the Iowa Silver Mine Corn, and it is worth five times the kind I have been growing."*

From Iowa: *"I don't think a better quality of corn can be found than the Iowa Silver Mine and it yielded 114 bushels per acre for me."*

ONLY SIX POUNDS OF COBS

Seventy pounds of Iowa Gold Mine on the ear will make 62 to 63 lbs. of shelled corn. This is the smallest proportion of cob of any variety. We have shelled selected ears of this corn which produced only 6 lbs. of cob per bushel. This is an unparalleled record. It cannot be equalled by any other corn in the world. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling was re-weighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100. You can see from these figures that if you are to sell this corn it should be either sold as shelled corn, or a premium demanded for the corn in the ear. You cannot afford to sell 70 lbs. of ear corn of the Iowa Gold Mine for a bushel as you are actually giving the buyer six or seven extra pounds, worth five cents at ordinary market value.

GRAIN IS OF SUPERIOR QUALITY

You can readily understand its exceeding great value to the feeder. The figures given above demonstrate that there is very little waste, but they do not show the features which are so much superior to other kinds—the soft grain and the oil and sugar content that make it so readily digestible by the stock. There is really ten per cent more feeding value in Iowa Gold Mine pound for pound than in the ordinary sorts, and an acre of Gold Mine producing sixty bushels is worth as much to the feeder as a seventy bushel yield of any other variety.

This year we have a splendid crop of thousands of bushels of choice seed, carefully selected, cured and graded, and yet, knowing the immense demand that is sure to come to us for Iowa Gold Mine, we urge our friends to send their orders early.

PRICES **Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, by mail or express prepaid. By freight or express not prepaid, pk, 90c, bu. $3.00, 2 bu. or more at $2.85 per bu., 10 bu. $26.00. Ask for prices in quantity.**

We are the original introducers of Iowa Silver Mine and Iowa Gold Mine and if you want pure, thoroughbred seed of these varieties it must be purchased of us. We have proof that some other dealers are copying our descriptions and selling common corn under these names. The cost of our pure seed is only about 45 cents per acre. One bushel per acre added to your crop will pay for the seed used.

Prize Winner Everywhere

IOWA SILVER MINE

215 Bushels Per Acre

The World Wide Favorite White Variety

THE CORN THAT ALWAYS MAKES A CROP

The Iowa Silver Mine Corn seems to have some quality lacking in most of the other large varieties, because a change of location seems in no way to diminish the yield or impair the quality when grown from our seed. We have reports in our files from customers in Egypt, South Africa, Australia, Central America, Mexico and the West Indian Islands, as well as from all parts of the United States praising in the highest terms the Iowa Silver Mine Corn produced from seed purchased of the Iowa Seed Company. So widespread has been the dissemination of this variety, and so universal the success of the planters that without hesitation we recommend Iowa Silver Mine for all corn planters except possibly the extreme northern portions of the corn belt. We even have letters from customers in Minnesota and the Dakotas stating that Iowa Silver Mine has matured in that latitude, but we hesitate in advising our patrons north of Iowa to purchase this variety. We have never in our thirty years' experience found any corn, white or yellow, that would give as good results under adverse weather and soil conditions.

THIS CORN IS TRULY THOROUGHBRED

It is eighteen years since we purchased the original stock of Iowa Silver Mine for the sum of $1,000 in cash. Each year since it came into our hands the stock has been carefully selected to maintain all its superior qualities and we have grown it with care, giving it good soil and cultivation, and isolating it to prevent mixture or taint from any other variety. During these years a multitude of competitors have arisen in the seed corn trade, and many unscrupulous dealers have grown Iowa Silver Mine, giving it a high-sounding name, and heralded it broadcast as a wonderful new variety. It is a wonderful variety, but our stock is of the original, purchased by us in 1895 and bred continuously since that time under the personal direction of our seed corn experts, who have thirty years' experience as their guide. It is produced at Altoona, in a locality highly favorable for the growth of corn, and our men are provided with all the modern methods necessary to produce a fancy quality of seed.

IT IS A MOST UNIFORM TYPE

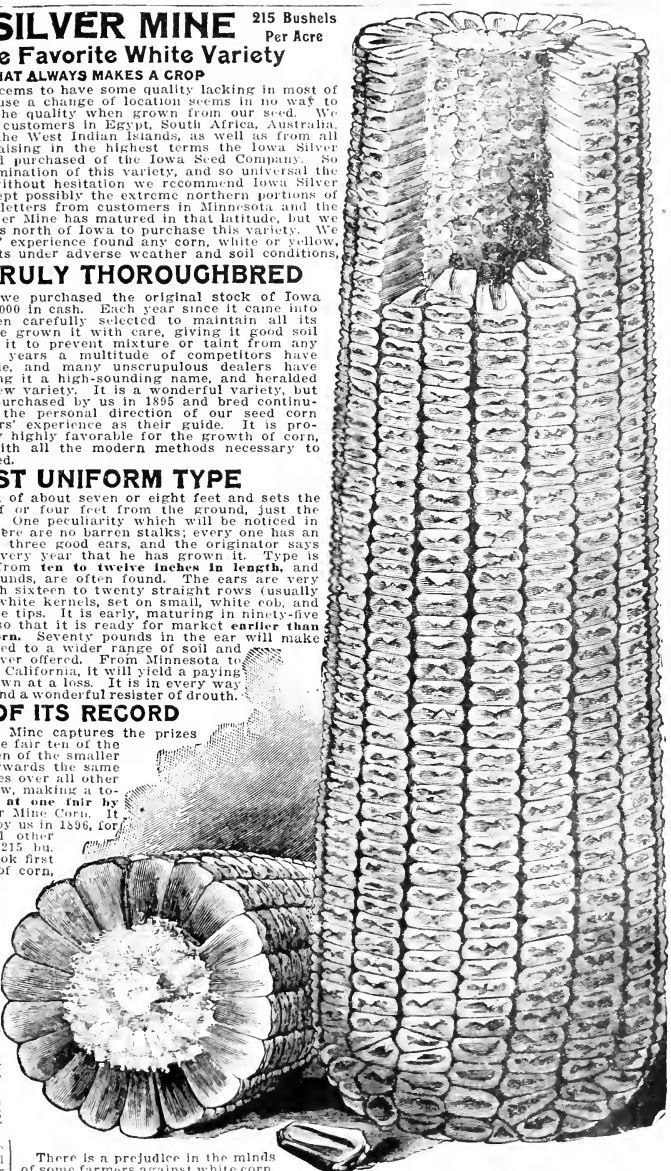
The stalk grows to a height of about seven or eight feet and sets the ears about three and one-half or four feet from the ground, just the right height for easy picking. One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. Type is very even. Ears measuring from **ten to twelve inches in length,** and weighing one and one-half pounds, are often found. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels, set on small, white cob, and ears are well filled out over the tips. It is early, maturing in ninety-five days. The cob dries rapidly, so that it is ready for market **earlier than any other large white field corn.** Seventy pounds in the ear will make sixty-two shelled. It is adapted to a wider range of soil and climate than any other corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other sorts are grown at a loss. It is in every way a distinct type of corn, hardy, and a wonderful resister of drouth.

HERE IS A PART OF ITS RECORD

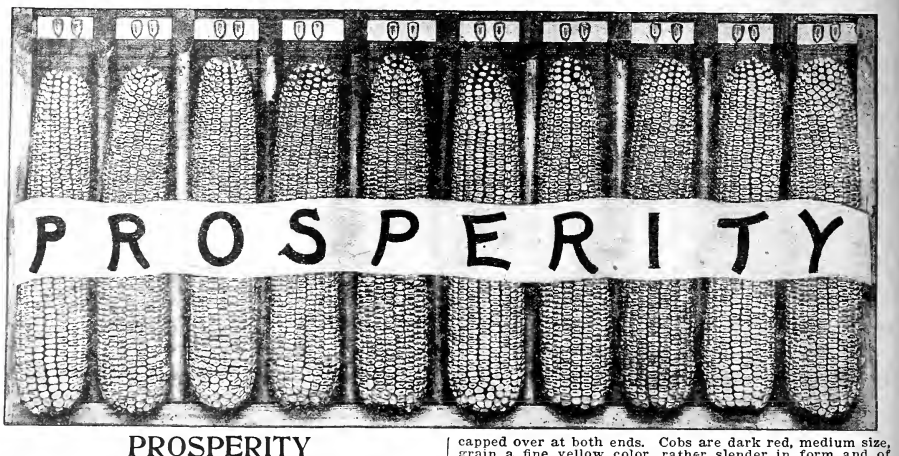
Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties, both white and yellow, making a total of **$95.00 in prizes taken at one fair by twenty ears** of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1896, for the largest crop, against all other kinds of any color, yielding 215 bu. At the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the state, **grand sweepstakes for best corn,** any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest crop grown on one acre and Iowa Silver Mine captured all three with crops of **196, 176 and 154 bu. per acre.** No other corn, any color, can compare with it for productiveness.

Read the Astonishing Record of Our Own Prize Contest. It produced 215 bu. per acre in Scott Co., Iowa, the crop being actually inspected by a member of our firm. It yielded 211 bu. per acre in Indiana; 201 bu. in Arkansas; 178 bu. in Illinois; 145 bu. in Ohio; 137 bu. per acre in Texas.

PRICES For high grade extra select seed corn postpaid or by express prepaid: Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00. By frt. or express, not prepaid, pk. 90c, bu. $3.00, 2 bu. or more at $2.85, 10 bu. or more at $2.60. Write for prices in quantity.



There is a prejudice in the minds of some farmers against white corn. For many years it was thought that white corn lacked some essential elements that were contained in the yellow. In the markets of this country now, however, white corn always sells at a premium, and if you want to obtain the very highest price for your corn grow Iowa Silver Mine, and shell it before shipping. We know this to be true from our own experience, as we are always able to sell the Silver Mine surplus and such as is rejected for seed for a greater price than the yellow varieties.



PROSPERITY

Our Improved Strain of Reid's Yellow Dent

Reid's Yellow Dent is the most generally grown of any of the yellow varieties throughout the central portion of the great corn belt. It is not, in our opinion, a perfect corn. It has a large, compact cob and the grains are set so closely together that it frequently molds in curing. This trouble destroys the vitality of the seed and makes the corn unfit for feeding. In a short season or a wet fall this fault is most pronounced and results in much waste and loss. The Prosperity is of a rougher type than the ordinary Reid's Dent. The grains are slightly hackled and are not so compact on the cob. This habit of growth permits the cob to dry more readily and avoids much of the loss by mold. The cob averages smaller and dries much more quickly so that Prosperity with mature earlier than Reid's Dent and will be sound and dry in seasons when a large proportion of the common type will spoil from dampness or early frost. We believe our Prosperity to be a real improvement in practical results, and it is for practical results we breed seed corn. The history of the Prosperity Corn goes back to 1893. We have grown it continuously since that time, the foundation stock being the ten champion ears of yellow corn shown at the Chicago World's Fair. The type is thoroughly fixed and is a truly thoroughbred sort. It produces an extra vigorous stalk, strong and well rooted, standing storms better than most sorts. Stalks grow eight to nine feet tall with abundant broad leaves, and bears the ears at a height easily harvested. The ears are large, 10 to 12 inches long, nearly cylindrical, holding their size well to the end, and are well rounded or capped over at both ends. Cobs are dark red, medium size, grain a fine yellow color, rather slender in form and of good depth. We can recommend Prosperity as a splendid corn for the central corn belt, and believe it to be superior to the ordinary Reid's Dent in every respect.

PRICES: **Pkt. 5c, lb. 25c, 3 lbs. 60c, charges prepaid. By freight, purchaser's expense, pk. 90c, bu. $3.00, 2 bu. or more at $2.85 per bu., 10 bu. for $26.00.**

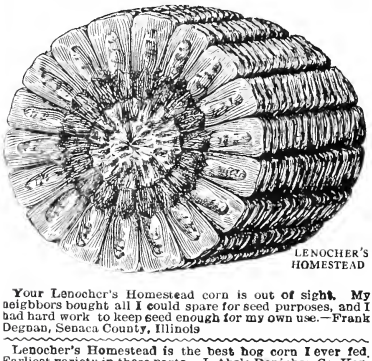
In my test the new Prosperity Corn matured well, making very uniform, good shaped, sound ears of rich yellow color and deep kernels.—Geo. M. Fox, Dallas County, Iowa.

Your Silver Mine Corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul.—Francis Meadow, Crow Wing County, Minnesota.

I have seven acres of Farmer's Reliance that will make 80 or 90 bushels per acre. It is by far the best corn I know of around here. It was planted June 14.—Geo. W. Brown, Ross Co., Ohio.

GRADED SEED CORN

We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping corn planters. But the grading is only a part of the labor which we give to the production of good seed corn. All varieties are carefully grown under the direct supervision of the president of our company. It is gathered early, and stored in our seed corn house, where **every car is carefully inspected by experts** and only those absolutely true to type and of strong vitality are shelled for seed purposes. You cannot buy better seed corn in America, no matter what the price.



LENOCHER'S HOMESTEAD

Your Lenocher's Homestead corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Degnan, Senaca County, Illinois

Lenocher's Homestead is the best hog corn I ever fed. Earliest variety in these parts.—J. Abrle Doniphan Co. Kan.

LENOCHER'S HOMESTEAD

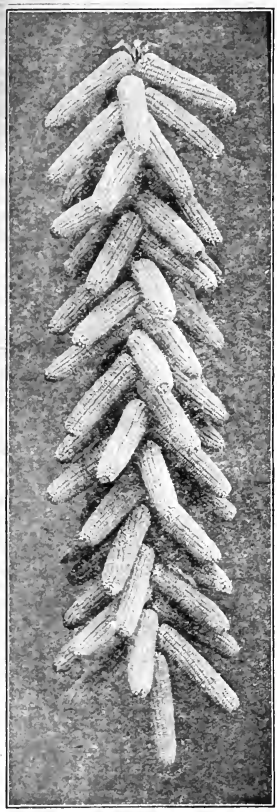
The Greatest Red Corn Ever Produced

A Hundred Bushels per Acre Variety

This is the corn that won the Iowa Homestead prize of $100 for the best three acres of corn grown under ordinary methods. The crop produced yielded 345 bushels on the three acres on the farm of Mr. G. F. Lenocher, a practical farmer and feeder of Dallas County, Iowa. We made arrangements with Mr. Lenocher to introduce the corn to the public and gave it the name of Lenocher's Homestead and have offered it for sixteen years. It is given as great care with us as our other sorts and our stock is carefully selected for seed purposes. The color is a rich dark red with occasional light caps; grain deep and hackled; ear somewhat above the average with small cob which dries out rapidly so that it is not likely to be caught by frost. It is perfectly safe corn to plant in central and southern districts of Iowa and may be grown anywhere that Iowa Silver Mine matures. It is a splendid silage corn for all locations, and produces good crops in unfavorable seasons when other corns will hardly make nubbins. Don't let your prejudice against red corn prevent a trial of this splendid corn, for we give you our assurance that it will produce more actual corn per acre than the kind you are growing, and it makes just as good feed as any other sort. There is no prejudice on the part of the live stock or the silo against red corn and if you plant Lenocher's Homestead the great yield per acre will overcome your prejudice.

PRICES Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 90c, bu. $3.00, 2 bu. or more at $2.85 per bu. 10 bu. for $26.00.

WE HAVE ROOM TO PUBLISH ONLY A FEW TESTIMONIALS. THEY COME IN EVERY DAY



REID'S YELLOW DENT

REID'S YELLOW DENT

THE STANDARD VARIETY OF YELLOW CORN IN THE MIDDLE WEST

Thoroughbred, Pedigreed, Carefully Selected Stock

A Splendid Strain of Sustained Purity and Excellence

Most farmers know the Reid's Dent Corn, and it is very popular because of the large, smooth, symmetrical ears, which are always uniform and make it one of the most attractive varieties for market selling. Because of its handsome appearance it is generally accepted as the show standard, and because of show record is widely known and generally distributed.

Our particular strain is far superior to the common strains found on most farms. Our original stock was direct from Mr. Reid, the introducer, and we have grown it continuously for many years. We have bred it to retain the purity of type and heavy yield. You can safely order Reid's Dent of us and be assured you will get superior stock of this superior sort.

It is grown at Altoona. The soil is heavy black loam, the land is high, in fact it is one of the highest points above sea level in the entire state. Our experience proves that seed corn produced in that locality will mature anywhere in Iowa. It is just as though grown in the northwest part of our state as regards latitude, and an advantage over that section because the soil is heavier and matures the corn more slowly. It is because of this location that our seed corn will successfully grow far to the north and is superior to most of the seed corn produced in other sections of the state.

Reid's Dent is not an early variety. It requires about 115 days to mature under favorable conditions and we do not, therefore, recommend it for planting north of central Iowa. Sometimes it makes good crops in Minnesota, but it cannot be depended upon to ripen in short seasons in that latitude. If you can grow Reid's Dent, buy your seed from us. We will make good our claims of superiority by increased yield of splendid large corn at harvest time. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, by mail or express prepaid. By freight or express, not prepaid, pk. 75c, bu. $2.50, 2 bushels or more at $2.40 per bushel, 10 bushels for $22.50.

Last spring I get some Reid's Yellow Dent seed corn and will say it is fine as any corn I ever saw. Don't think it could be beat in the state.—A. A. Westbrook, Ira, Iowa.

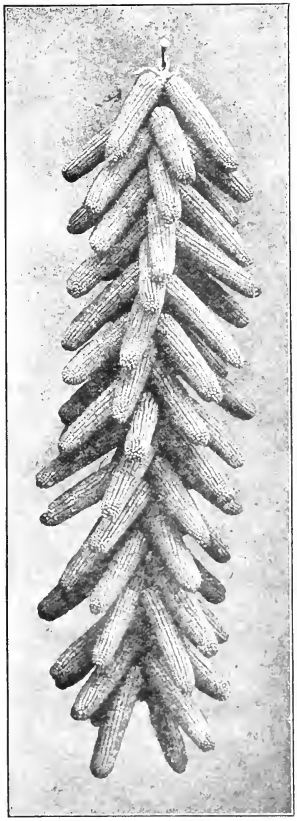
IOWA YELLOW DENT

A Good Corn at a Low Price

GROWN AND SELECTED WITH CARE

A Real Bargain in Choice Seed Corn

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. Every year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. It is not a crib corn nor is it purchased on the market for sale, but is specially grown for us and given the same care accorded to our other varieties. By freight or express, not prepaid, pk. 60c, bu. $1.75, 2 bu. or more at $1.60 per bu., 10 bu. $15.00.



STAR LEAMING

STAR LEAMING

A Variety to Sell at Top prices Either Ear or Shelled

OUR OWN STRAIN OF THIS FAMOUS CORN

From Twenty Years of Breeding and Selection

Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. In our opinion, it is a splendid feeding corn as the grain seems to be particularly rich. The originator of the Leaming Corn was Mr. Leaming, of Ohio, and we have bred our stock for a long series of years, selecting for uniform color, earliness and size, so that our stock is really a great improvement over the original Leaming, and we designate it "Star" Leaming, so that our friends will know it is our particular strain of this valuable variety. It grows to medium height, setting the ears about four feet from the ground, husks very easily and the corn is very snug on the cob, making a solid, heavy ear. It is a very productive sort, and because of the smooth, even surface it is much nicer to handle than the rough, hackled sorts. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 75c, bu. $2.50, 2 bu. or more at $2.40 per bu., 10 bu. $22.50.

WHAT VARIETIES TO PLANT

In the Extreme North—Sanford's White Flint, Improved Yellow Flint, Pride of the North.

Northern District—Pride of the North, Longfellow Dent, Silver King, Farmers' Reliance, Iowa Gold Mine and the Flint varieties.

North Central District—Iowa Gold Mine, Iowa Silver Mine, Silver King, Farmers' Reliance, Longfellow Dent, and the Flint varieties.

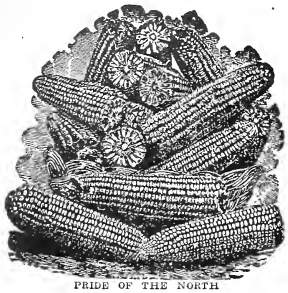
Central District—Profit, Iowa Silver Mine, Iowa Gold Mine, Farmers' Reliance, Star Leaming, Prosperity, Reid's Yellow Dent, Legal Tender, Lenocher's Homestead, Iowa Yellow Dent, Red Cob Ensilage.

Southern District—All of our large varieties will do well in this section, also any early varieties for special uses.

EXTRA EARLY CORN

VARIETIES THAT MATURE IN 90 TO 95 DAYS

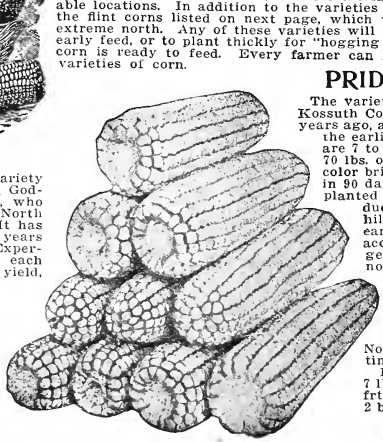
We offer you on this page varieties suitable for the farthest north of the corn belt. There is no dent corn so early as Pride of the North. There are no extra early sorts equal in yielding ability to Silver King, Farmers Reliance and Longfellow Dent. If our northern friends will grow these varieties they will get just as much corn per acre as if they planted the larger late varieties. The product will be far superior in quality and feeding value than will immature, half-ripened corn, the almost certain result where the large, late kinds are grown in unsuitable locations. In addition to the varieties here listed we call your attention to the flint corns listed on next page, which will be found very desirable for the extreme north. Any of these varieties will be valuable on any farm to grow for early feed, or to plant thickly for "hogging down" in early fall, before new crop corn is ready to feed. Every farmer can find a profitable use for extra early varieties of corn.



PRIDE OF THE NORTH

SILVER KING

This is an extra early white variety which originated with Mr. A. L. Goddard, of Kossuth county, Iowa, who originated the Pride of the North more than twenty years ago. It has been bred and tested for seven years at the Wisconsin Agricultural Experiment Station at Madison, and each year has shown an increase in yield, the last year's crop averaging 92 bushels per acre. It has by means of the publicity given it by the Wisconsin station become the most popular variety in that state and is fast becoming a standard, well known sort, and is really most desirable for the northern part of the corn belt. It might well be called a small-eared Iowa Silver Mine, as its general characteristics are very similar to that well known variety. The ears are 7 to 9 inches long, smooth, straight-rowed, of perfect shape and give every evidence of careful selection and thoroughbred pedigree.



SILVER KING.

PRICES.—Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, by mail or express prepaid. By frt. or express, not prepaid, pk. 90c, bu. $3.00, 2 bu. or more at $2.85 per bu., 10 bu. for $26.00.

FARMERS' RELIANCE

A grand variety of field corn, introduced by the Iowa Seed Company, and it is by far the earliest large dent corn in existence, and also the largest early corn. Of very strong, vigorous character, growing more rapidly than any other variety from the day it is planted, it really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. Leaves quite broad, of dark, emerald green, healthy color. Planted as late as June 26th has yielded a splendid crop. We claim it will mature in ninety days. Ears are larger, smoother, and easier to handle than Pride of the North and will yield one-third more under the same conditions. Seventy pounds of ears will make sixty pounds of shelled corn. Fully forty per cent of the stalks produce two good ears. **PRICES.**—Per lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) $1.00, postpaid. By freight or express, not prepaid, pk. 90c, bu. $3.00, 2 bu. or more at $2.85 per bu., 10 bu. for $26.00.

LONGFELLOW DENT

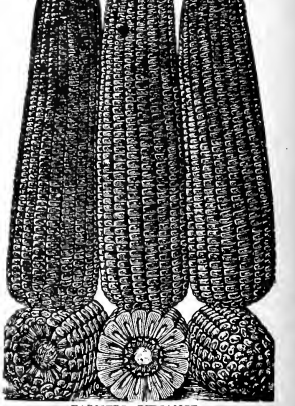
Most extra early sorts are too small and "nubbiny," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape, which is different from any other sort, suggests the name. Matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before frost, thus making a variety that it will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Grain is not as deep as some of our other varieties, but is is the corn of corns for selling on the market, as a wagon-load of it is as pretty as a picture. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states.

PRICES.—Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 90c, bu. $2.75, 2 bu. or more at $2.60 per bu., 10 bu. for $25.00.

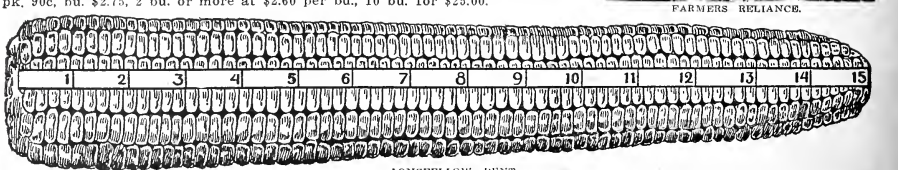
PRIDE OF THE NORTH

The variety originated with A. L. Goddard, of Kossuth Co., Iowa, near Minnesota line, over 20 years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 in. long with small cob and kernel; 70 lbs. of ears will make 62 lbs. shelled corn; color bright orange, very uniform. Will ripen in 90 days and matures in this latitude when planted in June. Good soil is capable of producing four or five good stalks to the hill and many of the stalks have two ears each. Same results can be better accomplished by growing closer together or planting in drills, as it does not require as much room as the large growing sorts. This will enable one to get as large a crop as with a long eared variety, and much more fodder. It is the dependence of the man in a pinch. If for any reason you cannot plant at proper time Pride of the North will make a crop in 30 days' less time than the large-eared sorts.

PRICES.—Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (for one acre) $1.00, postpaid. By frt. or exp., not prepaid, pk. 90c, bu $2.75, 2 bu. or more at $2.60 per bu., 10 bu. $25.



FARMERS RELIANCE.



LONGFELLOW DENT

Longfellow Dent is a wonder. I have a stalk before me, less than 8 ft. high, yet with 22 in. of corn. One ear is 12 in., the other 10 inches long. This was on unfavorable ground and had but one cultivation, although the ground was worked over several times before planting. Owing to our usual summer drouth, this is a most suitable variety for our hills. It is a remarkably strong yielder. By all means urge Longfellow on customers in the Ozarks.—Harry M. Wagner, Eminence, Mo.

EXTRA EARLY VARIETIES WILL BE FOUND PROFITABLE FOR EARLY FEED ON ANY FARM

FLINT CORNS FOR EARLY FEED

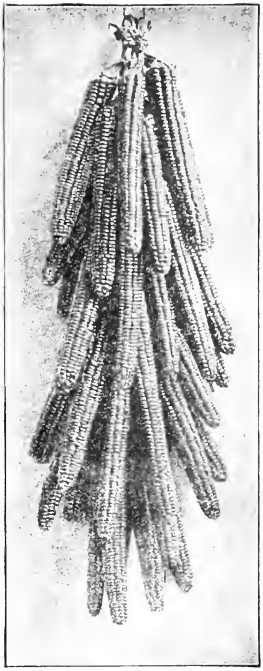
Ready for use a Month earlier than ordinary varieties

SANFORD'S EARLY WHITE FLINT

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and handsome shape, flinty white color. Plants of sturdy, vigorous growth; leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. Stalks usually bear 2 or 3 long ears. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. $2.50, 2 bu. or more at $2.40, 10 bu. $22.50.

IMPROVED YELLOW FLINT

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and well filled out to the extreme end of the cob. The cob is small and the kernel large and broad; ripens in 75 to 85 days. Said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp., not prepaid, pk. 65c, bu. $2.50, 2 bu. or more at $1.40, 10 bu. $22.50.



IMPROVED YELLOW FLINT

EVERGREEN SWEET FODDER CORN



EVERGREEN FODDER CORN

Superior to field corn in feeding value

The past few years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are therefore enabled to offer it at a low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On a strong soil it will grow 10 to 12 feet high and produce almost an incredible amount of fodder, which when well cured is equal to hay, besides being cheaper. It is claimed by dairy farmers this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer, one acre is worth eight acres of ordinary pasture. Of high value also for hogs, and an excellent plant to plow under for soiling. Sow thick in drills, or broadcast at rate of 2 bu. per acre. By freight or express, not prepaid, pk. 75c, bu. (50 lbs.) $2.50, 2 bu. or more at $2.35 per bu.

CUT EVERGREEN SWEET FODDER CORN IN ROASTING EAR STAGE FOR PIGS AND MILK COWS.

SOME UNIQUE AND NOVEL VARIETIES OF CORN

NEW CENTURY WONDER

A wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. Often 3 to 7 ears to stalk, being 8 to 10 in. long, and of most clean, snow-white color. Of excellent quality for the table like sweet corn; when dry and ground makes the cleanest, finest, whitest meal. An improvement on Brazilian flour corn, being acclimated by growing in the north. Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, ¼ lb. 15c, lb. 40c, 3 lbs. (will plant one acre) $1.00, postpaid. By frt. or exp., not prepaid, ½ pk. 65c, pk. $1.00.

BY ALL MEANS INCLUDE THESE NOVEL CORNS IN YOUR ORDER AND HAVE SOMETHING NEW FOR THE FAIRS AND CORN SHOWS.



PRIMITIVE OR HUSK CORN

COBLESS CORN

A unique curiosity. The grain grows at the top of the stalk, where the ordinary corn produces the tassel. Each grain is enclosed in a husk in the manner of primitive corn, while the head resembles sorghum or Kaffir, except that the grain itself is true corn, hard and flinty, about the size of grains of ordinary flint varieties. Sold only in packets at 10c.

GIANT CUZCO CORN

A strange and curious corn from Peru, with kernels of truly mamoth size as shown in our illustration, each one being as large as 1 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It is quite late in maturing and therefore should be started early in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn beside of the Cuzco. It is a great novelty and attracted much attention at the corn shows. Pkt. 10c, lb. 75c.



GIANT CUZCO CORN

PRIMITIVE OR HUSK CORN

It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico, the primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Pkt. 10c. Specimen ear 40c, postpaid.

GIVE THIS PAGE CAREFUL READING. SOME VALUABLE AND PROFITABLE ITEMS ARE LISTED HERE



SEED WHEAT

You should grow more wheat. This year's crop in the United States was the largest ever produced, but because of the conditions throughout the world, and the great war in Europe, prices are higher than for several years. It appears to us that these conditions will not change for some time to come. Price of wheat will continue to rule quite high. There is no question but that wheat is profitable if the farmer can realize anything like $1.00 per bushel. Careful comparison, and careful experiment for several years have proven to our satisfaction that the varieties which we are offering are the best and most suitable for growth throughout the grain belt. We believe that our stocks will produce better crops than will imported seed, and we are offering them in full confidence that they will give satisfaction.

MARQUIS

Ten Days Earlier than Blue Stem or Red Fife and Produces Five to Ten More Bushels per Acre

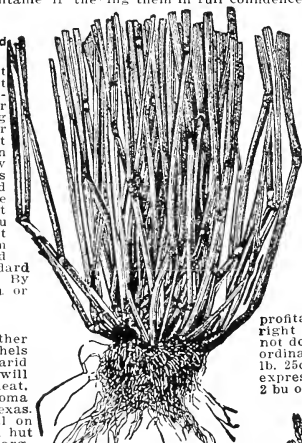
This is the wheat that won the $1,000 prize at the New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Superior to any known variety in milling and baking qualities. Has recorded yields of 50 bushels per acre. It originated at the experiment station at Ottawa, Canada, and introduced to Canadian planters in 1905. It created a furore and is now the most popular variety in that country. It is a favorite in Minnesota and the Dakotas and after testing it two years on our own farms we recommend it as the best beardless spring wheat for this latitude. If you sow the Marquis you will surely get a profit from your spring wheat fields. Grows stiff, strong straw of medium height, has round, hard, dark red kernels and matures two weeks earlier than the old standard blue stem types. Per lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp., not prepaid, pk. 65c, bu. $2.00, 2 bu. or more at $1.90 per bu., 10 bu. for $18.50.

MACARONI OR DURUM WHEAT

(Kubanka.)—Yields 80 per cent greater than other varieties of wheat. One farmer reported 49 bushels per acre. It does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in shorter season than any other wheat. Yields profitable crops in Kansas, Iowa, Oklahoma and Texas. Does well on good soil, but yield is larger and quality better when sown in poor land. Grains hard and glossy, often translucent and large. Heads compactly formed and bearded. Hardy and not attacked by smut or rust. Sow early in spring about 1½ bu. per acre. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 65c, bu. $1.85, 2 bu. or more at $1.75 bu., 10 bu. for $16.



MACARONI WHEAT



EARLY JAVA WHEAT

EARLY JAVA

The early bearded sort that is so prolific and gives best returns in the corn belt. This is a bearded variety which for five or six six years past has given far better satisfaction in central Iowa than any other variety and wherever introduced it is driving all other sorts out. The farmers are delighted with it. It is a new variety of spring wheat, about ten days earlier than the Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat, and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but would not do for seed. Yields in this vicinity ordinarily about 25 bu. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 65c, bu. $1.85, 2 bu or more at $1.75 per bu, 10 bu. $16.

WINTER WHEAT

For years we have made a specialty of furnishing farmers with choicest seed of winter varieties. We have urged upon them the value of this crop from a money standpoint with the result that the production of winter wheat has steadily grown in volume and our friends have made a profit from this crop. We issue a price list of winter wheat about Aug. 1st.

RED CROSS.—The best beardless winter wheat for the corn belt. Is immensely popular with our patrons because of hardiness, heavy yields and freedom from harsh beards, making it much pleasanter to handle than the Turkey Red types. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 50c, bu. $1.75, 2 bu. or more at $1.65 per bu., 10 bu. $16.

TURKISH RED.—The great standard winter variety so generally recommended by all authorities. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 50c, bu. $1.50, 2 bu. or more at $1.45 per bu., 10 bu. $14.

DEFIANCE.—Our greatly improved strain of Turkish Red which has a record of over 59 bu. per acre in Iowa. Has never failed to produce a profitable crop. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 60c, bu. $1.75, 2 bu. or more $1.65 per bu.





Send for Free Samples for Comparison

If you want a large quantity of seed oats of any variety we handle write for special prices.



SWEDISH SELECT

SEED OATS

BUY THE IOWA GROWN SEED

Comparative tests for a number of years have led us to the conclusion that Iowa grown seed oats are the best to plant in the corn belt for the main crop. Iowa grows more oats than any part of this continent. We ought to grow more than we do. This is easy to do if we use selected seed from improved varieties, thoroughly acclimated. The problem in oats raising is to get a variety that will mature before the adverse conditions obtain, and one that will produce good grain in profitable amount. To do this it is necessary to have seed that has been acclimated.

WHITE KHERSON

A NEW PRODUCTION FROM AMES COLLEGE.

Bred from the Yellow Kherson by Professor L. C. Burnett, agronomist at the Iowa Agricultural College, under the disignation "Iowa 103," and entrusted to us for introduction to the farmers. It has all the good qualities of the old Kherson with the additional value of better color and freedom from mixture with other grain. Grain not so large as Silver Mine, but plump and heavy, with thin hull. Matures very early and does not suffer from blight or rust. Straw strong, medium height and stands up extra well on heavy soil. Stools well and only requires 2½ bu. per acre for full seeding. On our farms the past two seasons has surpassed all other varieties and we offer it as the best oats for Iowa that has yet been produced. Per lb. 20c, 3 lbs. 50c, postpaid. By frt. or exp., not prepaid, pk. 50c, bu. (32 lbs.) $1.60, 3 bu. or more at $1.55 per bu., 10 bu. for $15.00, 25 bu. $35.00.

EARLY CHAMPION

This variety has comparatively short straw, matures a week to ten days earlier than large kinds, escaping the liability to rust or blight during the time when the later sorts are under unfavorable weather conditions. Its quick maturity is a valuable attribute. It will not lodge on rich land. Henry Wallace, editor of Wallace's Farmer, has stated: *"I would rather risk growing grass seed with them than with any variety I know of."* Pk. 40c, bu. $1.15, 3 bu. or more at $1.00 per bu., 10 bu. $9.00, 25 bu. $21.25.

REGENERATED SWEDISH SELECT

MOST WIDELY ADVERTISED VARIETY

For reasons as set out in the introduction to this page we favor Iowa grown seed oats and are this year confining our offerings to home-grown stocks. We know that our oats are fully acclimated and have been grown successfully under adverse conditions, that they are not diseased in any way, and fully believe they will give better results than the greatly advertised, high-priced seed of this variety. Pk. 45c, bu. $1.15; 3 bu. or more at $1.00 per bu.; 10 bu. $9.00; 25 bu. $21.25.

SILVER MINE

THE POPULAR MAIN CROP VARIETY

Standard variety for main crop in Iowa and from comparative tests for a period of years has proven its ability to produce good crops under ordinary conditions, year after year. Reputation of yielding immense crops of 100 to 150 bus. per acre in favorable years. Grain is usually large, plump and heavy with a reasonably thin hull. Is quite hardy, vigorous, stands well and shows little tendency to rust or lodge unless soil is rich. Has splendid record in comparative tests at Iowa Agricultural College and has greatly pleased customers. Pk. 40c, bu. $1.15, 3 bu. or more $1 per bu., 10 bu. $9, 25 bu. $21.25.

PROSPERITY

INTRODUCED BY US FROM ENGLAND IN 1908

This variety when purchased by us in England was so prolific, of such strong growth and the berry of such exceptional size and weight we thought it would be far ahead of our native grown oats. Known as a "regenerated" strain of the English variety and is truly a magnificent sort. Large white grains almost as heavy as wheat. We want you to see them and will mail on request, free, a small sample for examination. The straw is very stiff and coarse, and well rooted so that it withstands unfavorable weather. **Iowa Grown Seed** —Pk. 50c, bu. $1.35, 3 bu. $3.75, 10 bu. $11.50, 25 bu. for $27.50.

WHITE KHERSON

Below is a clipping from the daily press about this variety:

Ames, Ia., Oct. 16.—Special: A strain of oats, "Iowa 103," developed for growth under Iowa conditions by the Iowa agricultural experiment station, proved itself worthy this last year in a number of sections of the state under practical farm conditions. At Oakville, Louisa county, one large field seeded with this strain outyielded the best local varieties by 20 bu. per acre. Other fields in the vicinity did nearly as well. In other counties "Iowa 103" also showed heavier yielding qualities, though not quite as much better than local varieties as in Louisa county.

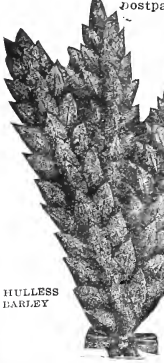
These facts are contained in reports made to Jno. Buchanan of the experiment station, secretary of the Iowa Agricultural Experiment association, which is distributing the new varieties of seed developed at Ames. The Oakville test was conducted by F. E. Jamison, who got his first shipment of seed in 1913. Then he grew an acre of "Iowa 103" which produced 77 bu. of choice seed. He planted the entire 77 bushels last spring on 3¾ acres, from which he harvested this fall 1,800 bu. of good seed.

"My field yielded 82 bushels per acre, by weight," says Mr. Jamison, in his report. "That is 20 bu. better than the next best field of oats in this entire section. Our neighborhood has reason to thank the co-operative experiment association and the plant breeders at the experiment station for 'Iowa 103.'"



NOVELTY FARM SEED COLLECTION

Many of the items in this collection are not strictly novelties but few of them are generally known to our customers. For a very small price we offer an opportunity to study these plants and determine for yourself their value in agriculture. The collection consists of one good size pkt. of **Primitive or Husk Corn, Cobless Corn, New Century Wonder Corn, Giant Cuzco Corn, Seradella, Teosinte, Sand Vetch, Australian Salt Bush, Pencilaria, Milo Maize, Thousand Headed Kale, New Era Cow Peas** and **Soja Beans**—13 kinds in all—postpaid, 60c.



HULLESS BARLEY

SEED RYE

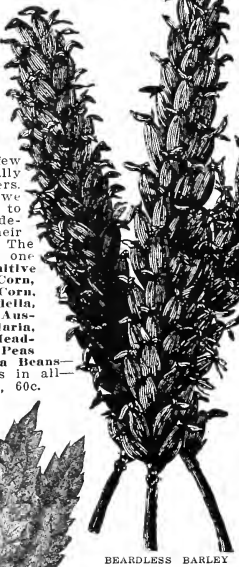
MAMMOTH SPRING RYE.—This is quite different from the winter rye and is highly valued wherever known. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. There is always a demand for first quality rye straw and the price is nearly always remunerative. The double crop of straw and grain make it one of the most profitable of farm crops. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. (56 lbs.) $1.70, 2 bu. or more at $1.60 per bu., 10 bu. or more at $1.50 per bu.

MONSTER WINTER.—We consider Winter Rye one of the most important of all farm crops. In the first place, it is a sure crop, failures being almost unknown. Every farmer should have at least a few acres of it. It is usually sown in the fall, and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. So it is of great value to dairy farmers. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Monster Rye is of extra quality. We are sure it will please you, no matter whether you want it for pasture or grain crop. As grown for the grain alone it will yield great returns and make money for you. As much as 60 bushels per acre have been produced. Pk. 50c, bu. $1.40, 2 bu. or more at $1.30 per bu. (56 lbs.), 10 bu or more $1.25 per bu.

SEED BARLEY

MANDSCHEURI.—Improved strain of standard six-row bearded barley. The standard market variety by which all are graded and therefore the most popular bearded sort. It is an early variety, very strong, stiff straw, stands up and stools well. It bears large, well-filled heads of plump, berried grain. Per lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 50c, bu. (48 lbs.) $1.40, 2 bu. or more at $1.30 per bu., 10 bu. or more at $1.20 per bushel.

ODERBRUCKER.—First introduced into the United States twelve years ago from the Agricultural Experiment Station at Guelph, Ontario, Canada. Bred and disseminated at the Wisconsin Agricultural College by Prof. R. A. Moore, who claims it is the greatest barley in this country for feeding or malting purposes. It and Mandscheuri have held the record for many years for the heaviest yielding varieties. It is bearded, and in manner of growth similar to the Mandscheuri, but the straw is somewhat stronger and stiffer, and will stand up on the richest ground. Will not rust and is free from smut. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. $1.55, 2 bu. or more at $1.45, 10 bu. or more at $1.35 per bu.



BEARDLESS BARLEY

SUCCESS BEARDLESS.—A very valuable variety. The earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; on good land will produce 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Mansury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre, and the quality is excellent, both for malting and for feeding hogs. Per. lb. 25c, 3 lbs. 60c, postpaid. By frt., pk. 65c, bu. (48 lbs.) $2.00, 2 bu. or more at $1.90 per bu., 10 bu. or more at $1.80 per bu.

IDEAL WHITE HULLESS.—Is a barley that pleases all who try it. The heads are large and well filled with big, plump kernels which are hulless and of great value for feeding. Weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is the handsomest variety that we know of. The kernels shell out without the hulls and are the prettiest and handsomest white berry, plump and oval in shape, that has ever been grown. It is not a malting barley, but can be used for feeding only, and as a fattening feed for hogs it has no equal. Is a vigorous grower and can be sown after all the other grain is sown and it will mature before wheat or oats. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 75c, bu. (48 lbs.) $2.50, 2 bu. or more at $2.35 per bu., 10 bu. or more at $2.25 per bu.



MANDSCHEURI BARLEY

TREE AND HEDGE SEEDS

(By mail, postpaid.)

Variety.	Pkt.	Oz.	¼-lb.	Lb.
Apple	.05	.15	.40	1.25
Ash, White	.05	.10	.30	1.00
Box Elder	.05	.10	.30	1.00
Catalpa, Hardy	.05	.25	.75	2.25
Locust, Black	.05	.10	.25	.75
Locust, Honey	.05	.10	.25	.75
Mulberry, Russ'n	.10	.30	1.00	3.50
Osage Orange	.05	.10	.30	1.00
Tree of Heaven	.05	.10	.25	.75

MONSTER WINTER RYE AND SAND VETCH MAKE EXCELLENT PASTURE BOTH FALL AND SPRING

SPELT, OF EMMER

A Valuable New Grain from Russia

This new grain was first introduced into this country by our house about 10 years ago, has proven of great valuc, and is now listed by almost all of the leading seedsmen. It has become a staple crop in all sections of the west and northwest and its position in the list of grains is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Spelt will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Records of 75 to 100 bushels of grain and 3 to 5 tons of straw are reported from Kansas, Nebraska and the Dakotas. It can be used for pasturage and hay after the manner of rye, and if sown with field peas the hay will be strictly first quality. Its value lies in its hardiness, great yields, and feeding value, and it can be grown anywhere in the corn belt with profit. Use 5(to 75 lbs. o seed per acre. Per lb. 25c, 3 lbs. 60c, post paid. By frt. o exp., not prepaid, pk. 50c, bu. (40 lbs.) $1.50, 2 bu. or more at $1.40 per bu., 10 bu. or more at $1.35 per bu.



Illustrating Heads, Grain and Growth of Spelt or Emmer



EVERGREEN BROOMCORN

MIDSUMMER CATALOGUE

How to Grow Cow Peas, Sand Vetch, Alfalfa, Amber Cane and Dwarf Essex Rape. Also chapters on Millet, Buckwheat and other seeds for summer growing. Free on request.



BROOM CORN

CALIFORNIA GOLDEN.—Carefully selected and improved so that the brush is straight and long. Of fine quality, light green color, turning to light yellow when allowed to become too ripe. Per lb. 25c, 3 lbs. 65e postpaid. By frt. or express, not prepaid, pk. 85c, bu. (50 lbs.) $2.75.

EVERGREEN.—Largely grown in the western states. Brush noted for fine quality, good length and handsome appearance. Lb. 25c, 3 lbs. 65c, postpaid. Frt. or exp. not prepaid, pk. 85c bu. (50 lbs.) $2.75.

DWARF.—Popular in some sections, matures late. Lb. 25c, 3 lbs. 65c, postpaid. Frt. or exp. not prepaid, pk. $1.00, bu. (50 lbs.) $3.25



FLAX

SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have ruled very high. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. Price subject to change. Per lb. 20c, 3 lbs. 59c, postpaid. By freight or express, not prepaid, pk. $1.00, bu. $2.75. 2 bu. or more at $2.65, 10 bu. or more at $2.50 per bu.

BUCKWHEAT

Buckwheat is a valuable crop for those parts of the farm which always seem to be left unplanted at the close of the season. Generally sown in July and will fill up the vacant plots at a time when all other planting is past. Can be sown after crop of winter wheat or rye and make a second crop. Use about one-half bushel seed per acre. Prices subject to change.

JAPANESE.—A week earlier than Silver Hull and yields more. Flour is equal to any other buckwheat, while it is more productive than any other, and succeeds well far north. The kernels are quite large, but the straw is heavier and it braches more; need not be sown as thickly as other kinds. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. (48 lbs.) $1.60, 2 bu. at $1.50 per bu., 10 bu. for $14.00.

SILVER HULL.—Very good, popular variety. Grain is of light gray color, rounder than the common variety, has a thinner husk, earlier and yields more. It is preferred by the mills grinding buckwheat flour as it makes a smaller proportion of hull to flour than any other variety. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 55c, bu. (48 lbs.) $1.75, 2 bu. or more at $1.65, 10 bu. for $15.00.

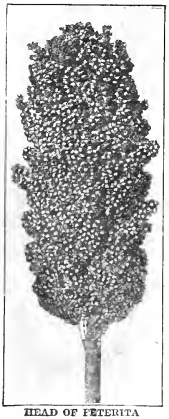
FORAGE AND FODDER PLANTS

Every plant that will conserve the hay raised on a farm is of material advantage to the farmer. In this department will be found a number of items which, if properly used, will solve the problem of feed for the live stock when hay and pasturage are short from any cause. Amber Cane or Kaffir Corn for fodder; Rape or Kale for pasturage; Vetch or Field Peas for hay can be used by any farmer in the corn belt with profit. All may be siloed with corn to advantage.



EARLY AMBER CANE

EARLY AMBER CANE



HEAD OF FETERITA

Dairy farmers say that Early Amber Cane is the most valuable fodder plant in existence for their use. It is of the very best quality, being sweet, nutritious and greedily eaten by cattle, horses and hogs. Grown successfully in any part of the country, from Canada to Texas, and from the Atlantic to the Pacific. It is one of the best plants to withstand drouth and unfavorable weather and is therefore a comparatively sure crop. It is wonderfully productive, the Ames Agricultural College harvesting 29 tons per acre on August 27th from a plot seeded May 21st. It is usually put in during June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre is sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. We consider the Black or Red Seeded Amber the most desirable. If wanted for sorghum, we recommend the Kenney's, which is purer. It is difficult to secure a strictly pure lot on the general markets, but this cheaper grade is desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 50c; 25 lbs. $1.00; 100 lbs. $3.00; 500 lbs. or more at $2.75 per 100 lbs.

KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure; will make the very finest grade of beautiful amber syrup of delicious flavor. It is said that over 250 gallons have been produced per acre, and in addition a crop of seed worth $25 or $30 can be grown at the same time. Why not supply your own table in this way, as it is as easily grown as a crop of corn. Requires only 5 lbs. of seed per acre. Per lb. 35c, 3 lbs. $1.00, postpaid. By freight or express, not prepaid, 10 lbs. $1.50; 25 lbs $3.00; 50 lbs. $5.50; 100 lbs. $10.00.



KAFFIR CORN

FETERITA

Similar to Milo Maize and Kaffir Corn in general habit. It matures earlier than either, however, and the grains are somewhat larger and softer. It is also said to be more prolific, yielding thirty to fifty bushels of grain per acre, and suitable for feeding most any kind of live stock. It is especially recommended in the semi-arid regions of the West, or upon poor soil where ordinary Indian Corn will not produce a profitable crop. The sorghums should be planted in the North about June 1st. They do not withstand the cold and dampness of early spring like Indian Corn, but are strictly hot weather plants. In good weather, however, they grow quite rapidly and can generally be depended upon to ripen a crop as far north as central Iowa. Great claims have been made for this plant by some dealers, and it is undoubtedly superior to the ordinary Kaffir and Milo generally produced. The great advantage lies in its productiveness. We have a fine lot of seed and make a very low price for extra quality. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. 65c; bu. (56 lbs.) $2.00; 2 bushels or more at $1.85 per bushel; 10 bushels at $1.75 per bushel.



TEOSINTE

MILO MAIZE

Very similar in manner of growth to Kaffir Corn, but is preferred by many growers who claim that it produces more grain per acre and better quality of forage than any of the non-saccharine sorghums. It is grown and handled in same manner as Amber Cane or Kaffir for hay and fodder, and will make splendid ensilage if cut up with corn. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By frt. or exp., not prepaid, pk. 60c; bu. (56 lbs.) $1.85; 2 bu. or more $1.75 per bu.; 10 bu. for $16.

KAFFIR CORN

Grows five to six feet high; straight, upright growth. The stalk bears numerous wide leaves; keep brittle and juicy, making excellent fodder either green or dried. Seed crop is heavy, yielding 30 bu. per acre. There is no failure about it; can go without rain without any loss in yield. The grain is extremely valuable for feeding poultry. Cultivated same as common corn, requiring 5 lbs. of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By frt. or exp., not prepaid, pk. 60c; bu. (56 lbs.) $1.85; 2 bu. or more at $1.75 per bu.; 10 bu. at $1.60 per bu.

TEOSINTE

A very prolific, heavy yielding fodder plant grown largely in some parts of the country. Somewhat resembles corn but leaves are buch longer and broaded and stalks contain a sweet sap; 35 stalks have been grown from one seed, attaining a height of 11 .ft, and very thickly covered with leaves. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills 3 to 4 ft. apart each way, two seeds to a hill. Has yielded 50 tons of fodder to the acre. Large pkt. 5c; oz. 10c; ¼ lb. 50c; lb. $1.00; 3 lbs. (sufficient for one acre) $2.75, postpaid.

SUDAN GRASS

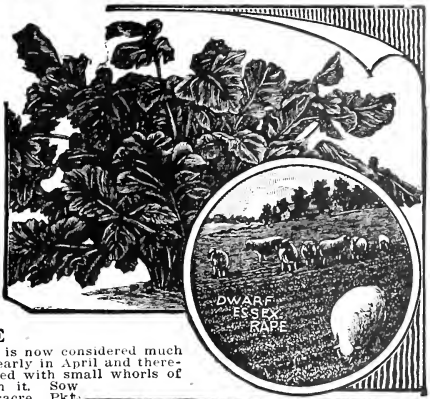
A new annual grass which is causing a great deal of inquiry throughout the country. It is peculiarly adapted to the southwestern part of this country, growing to the best advantage in Texas and Oklahoma. It was imported by the U. S. Department of Agriculture from Egyptian Sudan in 1909. It seems to make a greater quantity of forage under conditions of drouth, or in dry seasons, than any of the grasses now in use. It is an annual like the millets and sorghum. Grows to the great height of 7 or 8 feet. It does not grow coarse like sorghum, but makes a much superior quality of hay. It is not difficult to cure, and seems to contain a great amount of feeding value. Sudan Grass may be planted in cultivated rows, in close drills, or broadcast. If the crop be planted in cultivated rows 36 inches apart, such seeding requires 1½ to 3 lbs. of seed per acre. In arid regions this is the best planting process. Where the rainfall is ample it can either be sown in drills 18 inches apart, using 6 lbs. per acre, or be sown broadcast, using 15 to 20 lbs. per acre. It should not be planted until ground is thoroughly warm. In June gives time for several cuttings during the season. Per lb. $1.00, postpaid; 5 lbs. by exp. not prepaid, $4.



FIELD OF SUDAN GRASS IN TEXAS

DWARF ESSEX RAPE

The most popular and profitable of all annual forage plants. It is easily grown anywhere and stands unsurpassed as a pasture plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during summer and till late fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine or sow in small grain a few weeks before cutting to provide pasture after harvest, or sow on the stubble, but it is more generally sown in June, July or August with corn or potatoes or on well prepared land alone for summer and fall pasture. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. At the Iowa Agricultural Station at Ames, sixty bushels of oats and eighteen tons of rape were grown on a single acre, the oats and rape being sown together early in the spring. The rape interfered but slightly in oats harvest, and produced a heavy growth amounting to eighteen tons in October. Sow in drills, two or three pounds per acre, and cultivate. Broadcast, four or five pounds per acre. A Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there until October. It grew so rapidly that at no time could he tell where they had been 20 feet away from the gate. Our seed is the best quality. Pkt. 5c, lb. 30c, 3 lbs. 80c postpaid. By frt. or exp., not prepaid, 5 lbs. 75c, 10 lbs. $1.25, 25 lbs. $2.25, 100 lbs. $8.00. Write for free circular on rape.



THOUSAND HEADED KALE

Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the rape in some sections. The seed can be sown early in April and thereafter till midsummer. Grows 3 to 4 feet high and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given it. Sow broadcast 3 lbs. per acre, or in rows 18 in. apart, using 1 lb. pe racre. Pkt. 5c, ¼ lb. 15c, lb. 50c, prepaid; 5 lbs. or more by exp., not prepaid, at 35c lb.

PENCILARIA

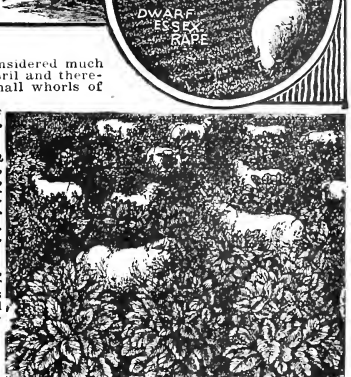
Particularly a dry, hot weather plant. An improvement of the Pencilaria Spicata (Pearl Millet), much better adapted to the north. Seeds very small, and when it first comes up looks like grass, but very soon resembles corn, growing rapidly, and having broad, succulent leaves. Stools out wonderfully, customers reporting as high as 75 stalks grown from one seed. Sow in May or June in drills 24 to 36 in. apart, using 2 lbs. seed per acre, or broadcast, 15 lbs. per acre. Pkt. 5c, ¼ lb. 15c, lb. 35c; 3 lbs. $1.00, postpaid. By frt. or exp., not prepaid, lb. 25c; 5 lbs. $1.00; 25 lbs. $3.75; 100 lbs. $13.50.

SERADELLA

In Germany Seradella is the most profitable of all fodder plants grown, and almost everybody grows it for hay. Specially adapted to light, poor or sandy soil, being equal to red clover in nutritive qualities and also yields larger crop. One of the best drouth-resisting plants known and does well on high land as well as low. Cattle are very fond of it as hay, green fodder or for pasturing. It is not a perennial, but can be cut twice and will produce good pasture balance of year. Sow early in spring alone or with wheat or other grain. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By frt., 10 lbs. $1.50, bu. of 45 lbs. (will sow 3 acres) $6.50.



SERADELLA



THOUSAND HEADED KALE

SUNFLOWER

A small patch of cultivated sunflowers will produce an immense amount of the very best poultry feed for winter. Drill in rows, cut with a corn harvester, dry thoroughly and let the fowls do the threshing. If you can't spare land for cultivating plant them in the waste corners. We sell sunflowers for feeding purposes, and prices will be found with bird supplies on page 146, but seed so offered is not sold for germination. Ornamental varieties are listed with flower seeds.

MAMMOTH RUSSIAN. — An extremely large sunflower. Large pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By freight or express, not prepaid, 10 lbs. $1.25, bu. (25 lbs.) $2.50.

WHITE BEAUTY.—Equal in size to Mammoth Russian. Pkt. 5c, lb. 35c, 3 lbs. $1.00, postpaid. By frt. or express, not prepaid, 10 lbs. $1.25, bu. (25 lbs.) $2.50.

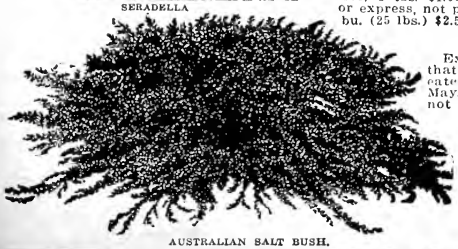


GIANT SPURRY

Excellent for pasture and grows so well on dry, sandy soil that it has been called "the clover of sandy land." Is readily eaten by sheep and cattle. Sow broadcast in March, April or May. Pkt. 5c, lb. 35c, 3 lbs. 90c, postpaid. By freight or express, not prepaid, 10 lbs. $1.25, 50 lbs. $5.00, 100 lbs. $9.75.

AUSTRALIAN SALT BUSH

A valuable plant for soils containing alkali and for all regions able to furnish forage during hot, dry summer months in western and southern states. Not hardy in north. Needs some little moisture to start it into growth but when once started it will make a strong growth during hottest and driest weather. Spreading habit, branching freely, making thick mat of stems and foliage 12 to 18 inches over entire surface of the soil. Pkt 5c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid; 5 lbs. or more by express, not prepaid, at $1.00 per lb.

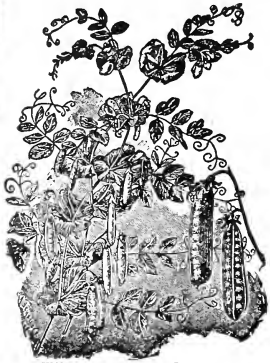


AUSTRALIAN SALT BUSH.



NEW ERA COW PEAS

Don't confuse Cow Peas and Field Peas. Field Peas are sown with oats in early spring for early hay. Cow Peas sown alone in June for fall feed.



WHITE CANADA FIELD PEAS.



SOJA BEANS

YOU ARE PROTECTED in purchasing farm seeds of us. We give you 15 days to inspect and test them. **Return them if not satisfactory** and the money paid for them will be refunded promptly.

VEGETABLE FARM CROPS

Many of our best and most profitable farm crops are listed in this catalogue among the vegetables, and we have thought best to call our farmer friends' attention to them at this point, for fear they might be overlooked or not appreciated because they did not appear in the Farm Department.

Mangel Beets (see p. 7).—Are of special value to the stock feeder and produce enormous crops.

Carrots (see p. 10).—Are another root crop producing heavy crops and recommended to the horseman and dairy farmer.

Pumpkins (see p. 29).—Two crops on one field if you plant them in the corn. Seems like there are never enough in the markets.

Onions (see p. 24).—Always salable at profitable prices, for they can be sent to the market without loss or shrinkage.

Citron Melons (see p. 21).—Grown in dry sections in preference to pumpkins for stock feed; are used in same manner.

Pop Corn (see p. 17).—A field crop grown in hundreds of acres in northwest Iowa. A great market is now established for this product by the breakfast food manufacturers.

Parsnips (see p. 28).—A good farm crop, since they can be marketed either fall or spring and produce wonderfully.

Squash (see p. 33).—A profitable crop for the farmer near a market. Demand always good for the large late varieties.

Turnips and Ruta Bagas (see p. 36).—Recognized as the field crop of all others to occupy the waste spots and produce feed after the planting season for other crops is past.

COW PEAS

There is as much difference in the grading of cow peas as in clover, and we handle only the choicest grade. We are certain you will not be able to get better value for your money than we offer. **Circular on Cow Peas free on request.**

NEW ERA.—The earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Make splendid hay and are particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow and plant to New Era Cow Peas you can put the ground in fine shape for next year's crop. You will not have to haul manure on land so treated. Sow in orchards and use either for feed or soiling. Every farmer can use them profitably as the New Eras mature in 60 days and have done well as far north as Minnesota. Pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By frt., pk. $1.00, bu. $3.50, 5 bu. or more at $3.25 bu.

WHIP-POOR-WILL.—The most highly valued plant in the south for fodder and reclaiming old and worn out land, as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whip-Poor-Will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c, lb. 25c, 3 lbs. 65c. By freight, pk. $1.00. bu. $3.50, 5 bu. or more at $3.25 per bu.

WHITE CANADA FIELD PEAS

For northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to their merits as a fodder, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked, using one bushel of peas and two bushels of oats per acre. Cut when the oats are in the milk and cure for hay. This is the quickest possible way to produce a hay crop and they are especially valuable to the farmer who has not enough meadow land. Pkt. 5c, lb. 25c, 3 lbs. 65c. By frt., pk. 60c, bu. $2.90, 5 bu. or more at $2.75 per bu.

SOJA OR SOY BEANS

IMPROVED YELLOW.—A splendid soiling and hay crop, preferred by many planters to Cow Peas as they stand up better and are easier to harvest for hay or silo uses. The great value of this crop lies in the fact that they fertilize the soil like clover; the ground peas are equal to linseed oil meal for feeding value; while as hay for silo it is equal to or better than clover. This variety will mature in all parts of the corn belt and in the middle states has been grown over 4 feet high, heavily podded with seed, producing ten tons of feed per acre. The Iowa Agricultural College at Ames uses Soy Beans in building up the soil, planting in late May or June and plowing the crop under in fall. Pkt. 5c, lb. 30c, 3 lbs. 60c, postpaid. By express or freight, not prepaid, pk. $1.00, bushel (60 lbs.) $3.50, 5 bu. or more at $3.25 per bushel.

SAND OR WINTER VETCH

A forage plant of high value and is highly recommended by the U. S. Dept. of Agriculture. It produces good crops on poor, sandy soil, but more vigorous on good land. Grows 4 to 5 feet high. Recommended for seeding with fall rye for winter and spring pasturage; hardy throughout the United States. Stays green all winter. Is exceedingly nutritious, more so than clover; eaten with a relish by all stock. Earliest for cutting and a full crop may be taken off before planting spring crops. Sow ½ bu. per acre in the spring or fall. Pkt. 5c; lb. 35c; 3 lbs. 90c, postpaid. By frt. or exp., not prepaid, pk. $2.50; bu. (60 lbs.) $3.00; 2 bu. or more at $8.75 per bu.



SAND VETCH

IMP. PROLIFIC TREE BEANS

Is also called California Wonder. Undoubtedly the most prolific bean under ordinary conditions. Yielded on our farm 41 bu. per acre. Beans pure white, small, resembling the "Navy." Pkt. 5c, ¼ lb. 10c, lb. 20c. By frt., pk. $1.25, bu. $4.00.

IMP. NAVY BEANS

OR BOSTON PEA BEANS

A wonderfull mprovement over Navy beans; superior to Michigan pea bean. Very desirable farm crop, especially in the far north. Pkt. 5c, ¼ lb. 10c, lb. 20c, prepaid. By frt., pk. $1.00, bu. $3.75, 2 bu. or more at $3.50.

FIELD AND COW PEAS ARE EQUAL TO CLOVER FOR BUILDING UP THE FERTILITY OF THE SOIL



ROSE OF THE NORTH

SEED POTATOES

The Proof of the Potato Is in the Eating

PRICES on potatoes frequently change as the market advances or declines. If you want a quantity write us for special quotations. : : : : :

It is of greatest advantage to potato growers to purchase their seed of us. By using our northern grown stock you are assured of **early maturity, increased yield and vigorous growth.** There is no longer any doubt that seed potatoes from the Red River Valley surpass those from any other section of the country with the possible exception of the state of Maine. We have for a number of years had our supplies grown in the northern part of Minnesota and Dakota and the comparative tests have each season shown an advantage for the northern seed. This is especially true of the early varieties. They mature earlier, are free from disease and produce more abundantly than home grown stocks. Prices on potatoes fluctuate greatly, but good seed potatoes are always worth more than ordinary table stock. We fix our prices in November and intend to make them so that we can furnish them at the quoted value the entire spring. Sometimes we sell all of our contract stock and are compelled to pay an advanced price. If the market conditions compel us to raise our prices we will notify you upon receipt of your order and hold it until we can hear from you. If the order comes too late in the season for correspondence we will send the full value of the money received.

ROSE OF THE NORTH

An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled, and yields immensely. Keeps sound well into spring. Pk. 50c, bu. $1.75, 5 bu. or more at $1.60 per bu.

A PLANET JR. NO. 8 HORSE HOE is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool, and do it with ease and satisfaction. : : : :

FANCY NORTHERN GROWN EXTRA EARLY OHIO (*Grown in Red River Valley*)

EXTRA EARLY OHIO

Fancy Northern Grown Stock

For several years past we have been having these grown in the noted Red River Valley, about 400 miles north of Des Moines, and careful tests have proved them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head—the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot, and outyield the other early sorts. It is an especial favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They will keep firm till late in the spring. This variety is frequently sold under the name Extra Early Six Weeks. This is our specialty in standard varieties. Also desirable for late planting as they keep well for winter and spring use. Pk. 60c, bu. $2.00, 5 bu. or more at $1.85 per bushel.

EARLY OHIO

Grown in Iowa

These were originally from our choice northern grown stock. Have been kept pure and are really good. They have been grown a year or two in this state and it is possible they are a few days later in maturing, and will not be quite so good as the fancy northern grown stock, but they are as fine as can be found in Iowa and can be grown for market with profit as the cost for seed will not be exeessive. Pk. 50c, bu. $1.75, 5 bu. or more at $1.60 per bushel.

POUND PRICES.—All varieties, except where quoted, 25c per lb., 3 lbs. 60c, postpaid. Read T. B. Terry's new book, "A B C of Potato Culture." Price 50c, postpaid.

IRISH COBBLER

EXTRA EARLY NORTHERN GROWN STOCK.

The Irish Cobbler has the form and color so popular in the market. Is prolific and profitable to the grower and from these causes has become a much prized variety. Matures as early as the Early Ohio, and is preferred by many because it is smooth and round in shape and of cream white color. The flesh is white and of fine quality and flavor. It is a strong, vigorous grower, with strong germ. Eyes well developed and slightly indented. Generally quoted at a premium in the summer markets because it is of economical shape, there being no waste in preparing for cooking. It is rapidly taking front rank as a market variety, and its popularity is founded on real merit. As with the Early Ohio, we recommend our northern grown stock as being more prolific and earlier in maturing. Pk. 50c, bu. $1.75, 5 bu. or more at $1.60 per bushel.

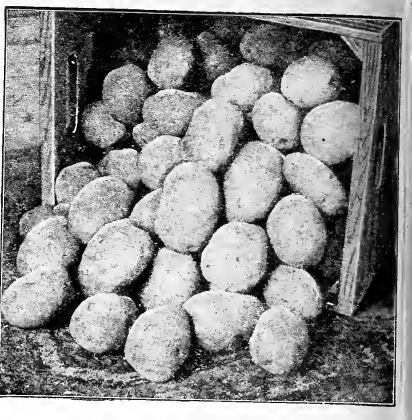


POTATOES---Continued

RURAL NEW YORKER

The Most Popular Main Crop Variety.

One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of superior quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 50c, bu. $1.60, 5 bu. or more at $1.50 per bu.



RURAL NEW YORKER

BURBANK

A Standard Long White Variety.

An old standard main crop variety which is very popular because of market demand and heavy yields. Satisfies both the grower and the consumer. Tubers are large, oblong and have fairly deep eyes. Color white, quality excellent, cooking very mealy and of attractive whiteness that pleases. It is the standard market potato in most of the potato growing districts and contends with Rural New Yorker for first place. Our seed is good and we offer it believing it will give results. Pk. 50c, bu. $1.50, 5 bu. or more at $1.50 per bu.



NORTHERN KING

I received sweet potato plants in very good condition. I did not believe you could send plants to Texas so fresh and nice.—Chas. Schubert, Lexington, Tex.

I have received the sweet potato plants. They were so nice and green and we were very much pleased.—Mrs. A. Peterson, Denison, Iowa.

The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity.—Geo. M. Graff, Orleans, Illinois.

NORTHERN KING

A Main Crop Potato of Exceptional Quality.

This potato is an improvement over the Bonanza, which we have previously offered as the potato par excellence in quality. The Northern King has the light red or pink color and the oblong shape of the Bonanze, but are much more vigorous and prolific. They will outyield either Rural New Yorker or Burbank and because of extra vigor and vitality will make a crop under most trying conditions. They are very popular with market dealers as they always give satisfaction to the purchaser. It is quality that recommends this variety, the writer preferring them to all other kinds for winter use. The tubers average larger in size than most sorts, are smooth and of good shape, and they cook whole, either baked or boiled, without hard centers or becoming "soggy." For the family who wish to grow their own potatoes for the winter supply we believe the Northern King will prove the best variety to plant. Pk. 50c, bu. $1.60, 5 bu. or more at $1.50 per bu.

HYBRIDIZED POTATO SEED.—Potato seed from the flower boll (the true seed). It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as an experienced potato specialist. Pkt. 10c, 3 for 25c.

EUREKA POTATO PLANTER

The best hand potato planter that we know of as it does the work perfectly. It also plants beans and seed corn equally as well as any corn planter. See cut. Price $1.25, by express, not prepaid.



EUREKA POTATO PLANTER

Concaved and Curved Seed Potato Knife

It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber, nor injure germ. Each 35c, postpaid.



CONCAVED AND CURVED POTATO KNIFE

SEED SWEET POTATOES

PRICES SUBJECT TO CHANGE OF MARKET.

Every family should grow sweet potatoes. They thrive on any of the loam soils of the middle west, and do specially well on sandy ground. Nearly everybody likes sweet potatoes and they are so easily grown that there should be plenty at every home where a small plot of ground is available. You can raise enough from a few hundred plants to supply all you need. One customer reports 20 tubers, weighing over twenty pounds, from a single hill, and a full bushel from three hills this year. We do not recommend that you buy seed sweet potatoes for a small family garden. Better buy the plants unless you need one thousand or more, as they are not expensive, they ship without loss, grow readily when transplanted and save quite a little labor in growing. Plants are priced both postpaid and by express, in large or small quantities, on page 38. It is not, however, difficult to grow plants and if you desire information on this topic ask for our circular "How to Grow Sweet Potatoes" and we will mail it free. In field culture the ridges are generally made for sweet potatoes before setting out the plants. The only secret is to keep them free from weeds and the ground mellow. After the vines begin to run they will keep down the weeds themselves.

Our seed sweet potatoes are grown, stored and handled especially for seed purposes. They are not cold storage stock on which the germ has been killed but are fresh and vigorous. It is absolutely necessary that they be handled quickly in spring as they will not keep well after being taken from the storage bins. We cannot guarantee them to be all sound upon arrival and we try to protect our customers by prompt service. For this reason we hold the potatoes and fill orders at once so as to get them to you promptly. We usually ship from April 12th to 20th and notify our customers when we start them. Prices are subject to change of market and we will be pleased to quote firm prices in March.

EARLY YELLOW JERSEY.—An improvement on the Yellon Nansemond. In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 60c, bushel $2.00, barrel $4.50. Ask for price in quantities.

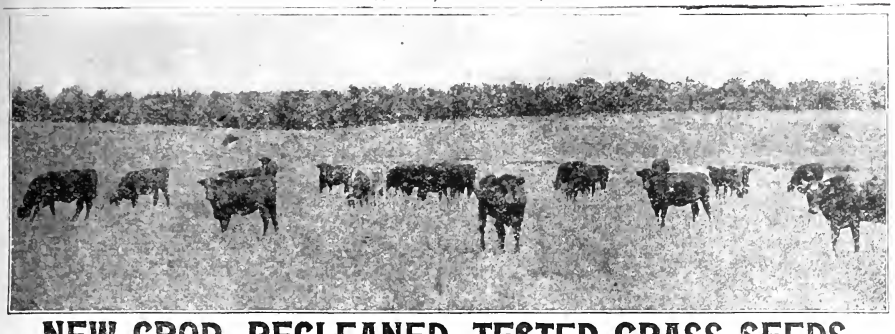
RED JERSEY.—Similar in shape to Yellow Jersey ,but dark red color. Do not rot as quickly as other kinds and are preferred by many. Quality is excellent. Pk. 75c, bu. $2.25, bbl. $5.50.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the South. Even the seed potatoes are monster size and often weigh several pounds each. Peck 75c, bushel $2.20, barrel $5.00.

Any of the above varieties of sweet potatoes by mail, postpaid, at 35c per lb., 3 lbs .$1.00.



EARLY YELLOW JERSEY



NEW CROP, RECLEANED, TESTED GRASS SEEDS

No seed firm in this country takes greater pains and care in the purchase and sale of grass seeds handled than do we, and none have experts of greater knowledge or better judgment. The men in charge of buying, cleaning and grading have all had more than twenty years' experience in our own establishment. We also have the latest and best cleaning machinery and thus equipped we are in position to furnish and do furnish the very highest possible quality in this line. No expense is spared either in purchase price or handling to keep up the quality; and of course it costs a little more, but when you see a field of grass, free from weeds, of strong and vigorous growth, you will realize that quality is and should be of greater concern than price. If grass seeds bought of us are not satisfactory they may be returned within fifteen days and money will be refunded.

OUR IOWA SHIELD BRAND GRASS SEEDS

Now have a national reputation and are shipped to every part of the country where grasses grow. Our Iowa Shield Brand of Clover, Timothy and other seeds is strictly new crop of exceptional purity and has been thoroughly recleaned on the best electric seed cleaning apparatus made. It is plump, nice seed, carefully tested and proven to be of strong germinating qualities. These we have thoroughly recleaned, tested and carefully inspected under the microscope for foul weeds. To distinguish them from ordinary grades, we call our best grade the "Iowa Shield Brand." It is shipped in sealed and branded bags. It is sure to produce vigorous, healthy plants and an exceptionally good crop if the weather and soil conditions are not unfavorable. It pays to sow the best seeds obtainable and our Iowa Shield Brand is, we are sure, superior to any other.

Our Iowa Standard grade clover, timothy and other seeds is really a choice grade, fully up to requirements of the Iowa Pure Seed Law in purity and vitality, and is, we believe, as good seed as you could obtain from most dealers, but it is not equal to our Iowa Shield Brand.

Write for prices. They change constantly and we cannot make a price which will be invariable. We issue a price list each week or oftener, as required. If you are in a hurry order seed and we will send full value of money received on day order arrives. **We pay postage at the 1 and 3 lb. rate only. If you want pound lots by express deduct 10c per lb. from price quoted. Large quantities shipped at purchaser's expense.** Trial packets 5c each.

TIMOTHY



TIMOTHY

We make a specialty of supplying the choicest timothy direct to farmers. No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils where it grows to perfection, but does not succeed as well on dry, sandy soil. It is very nutritious, and makes good hay, but should be cut at the time of flowering. We are located in the best section of the country for growing timothy seed and **more of it is grown in Iowa than in any part of the world.**

There is not more than one field of timothy in a hundred which produces our Iowa Shield grade. It is very bright in color, but little hulled, almost absolutely free from impurities and of high vitality, and therefore requires only about 8 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c, postpaid. Ask for price in quantity.

CLEAN SEEDS

Few persons can detect impurities in grass seeds unless seed is very foul. Often our friends have watched our recleaning machines and wondered where the impurities came from, as the seed seemed without dirt or trash before cleaning. Grass seeds as they come from the thresher contain large quantities of impurities. For every pound of dirt in clover seed you pay 20 to 25 cents. Shrinkage usually runs from 3 to 6 lbs. per bushel. This makes quite a difference in real value and our seed is really worth $1.00 to $2.00 per bushel more than seed as commonly sold. No one should buy seeds from any source unless they have been thoroughly cleaned. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood highest for purity of any west of Pennsylvania, and with one exception, the highest of any in the United States.

FARMOGERM

In response to inquiry from many patrons, we are here offering the one culture of nitrogen-gathering bacteria which seems most likely to succeed under general conditions and in the hands of inexperienced people. Little effort is required and needed instructions are printed on package.

Farmogerm furnishes the bacteria which fixes nitrogen in the form of nodules on the roots of plants like Clover, Alfalfa, Soy Beans, Cow Peas, etc. By its use more nodules for the storing of nitrogen are produced on the roots of the plants, and thus the plants grow stronger and more vigorous. There is a special Farmogerm for each crop. We furnish from the manufacturers culture for any particular crop you desire, carrying in stock here three kinds, which will be sufficient for ordinary needs, as follows:

No. 1—For Red, White, Crimson, Alsike and Mammoth Clover.

No. 2—For Alfalfa and Sweet Clovers (any variety.

No. 5—For Garden Peas, Sweet Peas, Garden Beans, etc.

Sold in the following quantities, delivered: Garden size (for ¼ acre) 50c; for 1 acre $2.00; for 5 acres $8.00.

KENTUCKY BLUE GRASS

Fancy Cleaned.—Very valuable and popular as a permanent pasture grass. Productive and unusually early in spring, furnishing delicious food for all stock. Unexcelled for lawns. Our seed new crop, Kentucky grown. Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Lb. 35c, 2 lbs. $1.00, postpaid. By frt., (14 lbs.) $2.50, 5 bu. or more at $2.35.

"IOWA SHIELD" KENTUCKY BLUE GRASS.—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination that it is of special value for lawns. Lb. 40c, 2 lbs. $1.10, postpaid. By frt., bu. (14 lbs.) $3.00.

ITALIAN RYE GRASS

Annual variety; will give a large crop first year. Sow 20 lbs. per acre. Lb. 20c, 3 lbs. 75c, postpaid. By freight, per bu (14 lbs.) $1.85, 5 bu. or more at $1.70 per bu.

PERENNIAL RYE GRASS

Or English Rye Grass.—A nutritious permanent grass for meadow or pasture, for mixing with other grasses for lawns. Well adapted for permanent meadows; yields large quantities of very nutritive hay. Sow 20 lbs. per acre. Lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) $1.75, 5 bu. or more at $1.60 per bu.



BLUE GRASS

SEE PAGE 60 FOR BAGS TO HOLD TIMOTHY, CLOVER AND OTHER GRASS SEEDS

GRASS SEEDS--Continued

ORCHARD GRASS.—A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. Suited to shady places, orchards and groves. Sow 15 lbs. per acre. Per lb. 40c, 3 lbs. $1.10, postpaid. By freight, bu. (14 lbs.) $2.75, 5 bushels or more at $2.60 per bushel.

MEADOW FESCUE, or English Blue Grass.—Succeeds well in almost any soils, from high, dry land to moist, standing heat excellently. Valuable as a pasturage grass, being one of the earliest in spring and latest in fall. Very nutritious. Per lb. 60c, 3 lbs. $1.50, postpaid. By freight, bu. (14 lbs.) $2.50, 5 bushels or more at $2.25 per bushel.

CREEPING BENT GRASS.—Of special value for pasture and low ground. Starts early, deep rooted; valued for holding sloping ground or terraces. Sow 15 lbs. per acre. Per lb, 60c, 3 lbs. $1.50, postpaid. By freight, bu. (14 lbs.) $4.50, 5 bushels or more at $4.35 per bushel.

MEADOW FOXTAIL.—A fine grass for permanent pasture. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 50c, 3 lbs. $1.35, postpaid. By freight, bu. (14 lbs.) $4.25, 5 bushels or more at $4.10 per bushel.

RED TOP.—Very hardy native perennial; succeeds best on moist land. Remains green the greater part of year. In the east it is one of the principal sorts, but not so highly valued here. Fancy cleaned or solid seed. Per lb. 50c, 3 lbs. $1.35, postpaid. By frt., bu. (14 lbs.) $4.50, 5 bu. or more at $4.35 bu.

CRESTED DOGSTAIL.—For permanent pastures on high land and hard, dry soils and hills; very hardy. Lb. 60c, 3 lbs. $1.50, postpaid. By frt., bu. (14 lbs.) $4.75, 5 bu. or more at $4.50.

RHODE ISLAND BENT.—For particularly close, heavy turf. Lb. 60c, 3 lbs. $1.50, postpaid. By frt., bu. (14 lbs.) $5.50.

SWEET VERNAL.—See page 63.

BERMUDA GRASS.—Most valuable grass for the south; withstands heat and drouth wonderfully. Valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8 lbs. per acre. Per lb. $1.00, 3 lbs. $2.70, prepaid; 5 lbs. or more, not prepaid, at 80c per lb.

RED FESCUE.—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing from 1 to 2½ ft. high. Per lb. 40c, 3 lbs. $1.10, postpaid. By freight, per bu. (14 lbs.) $3.75, 5 bu. or more at $3.60 per bu.

HARD FESCUE.—Emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. Exceedingly hardy and withstands extremes of heat, cold and drouth. Per lb. 40c, 3 lbs. $1.10, postpaid. By freight, per bu. (14 lbs.) $3.75, 5 bushels or more at $3.65 per bushel.

TALL MEADOW OAT-GRASS.—For hay or permanent pasture a most valuable grass. Successfully grown in all parts of the country. Grows tall, therefore desirable for meadow. Does not winter-kill. Per lb. 40c, 3 lbs. $1.10, postpaid. By frt., bu. (14 lbs.) $3.50, 5 bu. or more at $3.35 per bu.

MEADOW SOFT GRASS.—Although not of high feeding value, is very valuable for low, soft, spongy places, where other grasses don't succeed. Very productive; a hardy perennial; 18 to 20 in. high. Per lb. 35c, 3 lbs. $1.00, postpaid. By frt., bu. (14 lbs.) $3.00, 5 bu. or more at $2.85 per bushel.

SHEEP'S FESCUE.—Suited to light, sandy soil, and dry uplands or hillsides. Deep rooted; not affected by drouth. Sheep are fond of it. Sow 14 lbs. per acre. Lb. 40c, 3 lbs. $1.10, postpaid. By frt., bu. (14 lbs.) $3.75, 5 bu. or more at $3.65.

WOOD MEADOW GRASS.—Invaluable for wooded pasture or shaded ground; should be in all mixtures for permanent pastures, especially in shady places. Sow 20 lbs. per acre. Per lb. 65c, 3 lbs. $1.80, postpaid. By freight, per bu. (14 lbs. $7.50, 5 bu. or more at $7.35 per bushel.



PERMANENT PASTURE AND MEADOW MIXTURES

PERMANENT HOG PASTURE

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps keep hog cholera and similar diseases away. It contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover, Timothy, Red Top, etc. This has proven very popular and we believe it is far more valuable to hog raisers than ordinary pastures. Sow 15 lbs. per acre. Per lb. 35c, 3 lbs. $1.00, prepaid. By frt., per bu. (15 lbs.) $3.00, 2 bu. or more at $2.85.

PERMANENT MEADOW MIXTURES

Will make the best quality hay as the mixture contains such grasses as produce a heavy growth and mature together. We send out the No. 1 mixture when not otherwise ordered as it is adapted to the medium or average soils. Sow about 22 lbs. (1½ bu.) per acre; or for top seeding 10 to 15 lbs.

NO. 1—FOR MEDIUM SOILS.—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover, Alsike, Sweet Vernal, etc.

NO. 2—FOR HIGH, DRY LAND, LIGHT OR GRAVELLY SOILS.—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass, Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

NO. 3—FOR HIGH, DRY LAND, HEAVY OR CLAY SOILS.—Contains much the same as above with the addition of Orchard Grass, Crested Dogstail and Bromus.

NO. 4—FOR MOIST AND RICH SOIL, OR LAND SUBJECT TO OVERFLOW.—Contains Water Meadow Grass, Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike, Clover, etc.

NO. 5—FOR TOP SEEDING SWAMPS, MARSHES, ETC.—(Sow 10 lbs. per acre.) Contains much the same as above in different proportions.

DAIRY FARMERS' GRASS MIXTURES

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture. This can be successfully done with our Dairy Farmers' Grass Mixture, as it covers the ground and furnishes grazing until late in the fall. It consists of Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. Sow 20 lbs. per acre. Per lb. 35c, 3 lbs. $1.00, prepaid. By frt., per bu. (15 lbs.) $3.25, 2 bu. or more at $3.00 per bushel.

PERMANENT PASTURE MIXTURES

A succession of grasses coming on constantly from earliest spring through the dry summer until freezing winter; permanent and keeps improving year after year. Sow about 22 lbs. (1½ bu.) per acre; for top seeding, half the amount.

NO. 6—FOR MEDIUM SOILS.—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover.

NO. 7—FOR HIGH, DRY, GRAVELLY SOILS.—Contains Sheep Fescue, Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogstail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

NO. 8—FOR HIGH, DRY, HEAVY OR CLAY SOILS.—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

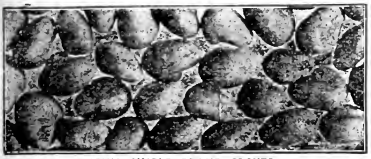
NO. 9—FOR MOIST AND VERY RICH SOILS.—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

NO. 10—FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.—Contains Wood Meadow Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

PRICES Any of the above Permanent Meadow or Pasture Mixtures (unless otherwise stated), per lb. 35c, 3 lbs. $1.00, postpaid. By freight or express, not prepaid, per bu. (15 lbs.) $3.00, 2 bu. or more at $2.85 per bu.

EXTRA QUALITY, IOWA GROWN CLOVER SEED

A fine crop of Red Clover seed has been harvested this season, throughout Iowa and the corn belt generally. The quality is unusually good and we think the price will be lower than usual. It will pay you to buy and use it freely.



IOWA SHIELD BRAND CLOVER

Notice the plump, perfect shaped grain and freedom from weeds. You cannot secure better seed, no matter what you pay for it, and it costs but little more. It always pays to sow the best seed you can obtain.

Market changes constantly and this part of the catalogue goes to press in November. It is impossible to name price at which clover seed will sell in spring. We therefore quote price only in small lots.



ORDINARY CLOVER

As it comes from the huller, full of weed seeds, trash and sand. If you buy low grade seed, you not only risk filling your land with weeds, but you are also paying for each pound of weed seed and trash.

MEDIUM OR COMMON RED CLOVER

"Iowa Shield" Brand Clovers our Famous Specialties

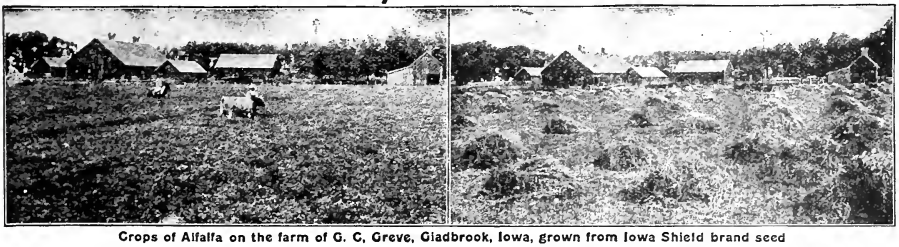
We sell more clover seed direct to farmers than any seed firm in the West, and it is all sold because those farmers get better quality of seed,—brighter, cleaner, more plump and vital—than they can secure elsewhere. The reason is that we take special care to have everything first class and protect our customers by using the microscope in both buying and selling.

Our clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooling qualities, so that now we receive many orders from the most distant parts of the United States. Well posted farmers appreciate the difference between it and ordinary stock. This is the most important of all clovers and the standard everywhere for hay and pasture and our **"Iowa Shield"** grade is the plumpest, cleanest, purest, fanciest grade; tested and of high vitality. Farmers usually sow 15 to 20 pounds of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 pounds is really sufficient if conditions are favorable, but we recommend sowing 10 pounds so as to be sure of a perfect stand. About 5 pounds, if sown with timothy. Per pound, 35c, 3 pounds 90c, postpaid. Ask for price by bushel.

MAMMOTH RED CLOVER

This is also called Sapling or Pea Vine Clover. It greatly resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturage as it will produce an enormous yield and is of the highest feeding quality but not as desirable for hay. Specially desirable for hog pasture. You can enrich your soil more cheaply by sowing Mammoth Clover and plowing it under than in any other way. Per lb. 35c, 3 lbs. 90c, postpaid. Ask for price in quantity.

AMERICAN GROWN, HARDY ALFALFA SEED



Crops of Alfalfa on the farm of G. C. Greve, Gladbrook, Iowa, grown from Iowa Shield brand seed

Much is being written by agricultural writers on the advantages of Alfalfa as a profitable crop in the corn belt; in fact it is now being grown with success by progressive farmers in all parts of the country. We have prepared a circular on "How to Grow and Use Alfalfa" and will mail a copy to any of our friends who request it. There is no great difficulty in its production and we know from years of observation and experience that it will thrive on the loam soils of the middle west, and reports show that alfalfa is rapidly spreading throughout the United States.

The Quality of Seed

As with medium red clover, the increasing demand for Alfalfa seed has caused immense quantities of low grade seed to be offered on the market. Thousands of bushels are imported each year, much of which contains impurities and foul weed seeds in such quantity as to make it really dangerous to sow. A great deal of the American grown seed is offered just as it comes from the hullers, full of weed seeds, sand, trash and immature grains so that it will not pay to use it. The crop of alfalfa seed this year is of good quality so that we will have a large proportion of Iowa Shield grade seed to offer you; and you can start with greatly increased chances for success. Prices change and we can only offer seed at market values. Ask for samples and prices when ready to buy.

Iowa Shield Alfalfa Seed

No seed which we handle is given closer scrutiny than Alfalfa. We buy only the best offered; using the microscope and analyzing for purity. Our Iowa Shield brand grade is the brightest, plumpest and cleanest we can find; and even this is not good enough for Shield grade until we have recleaned it through our perfected machinery and taken out every thing in the way of sand, broken grains and dirt; and when it is put in the branded bags it is fit to sow anywhere. We invite the closest inspection of our Iowa Shield Brand Alfalfa from particular farmers and we will gladly mail you a sample on request for microscopic inspection and analysis. Per lb. 30c, 3 lbs. 75c, postpaid.

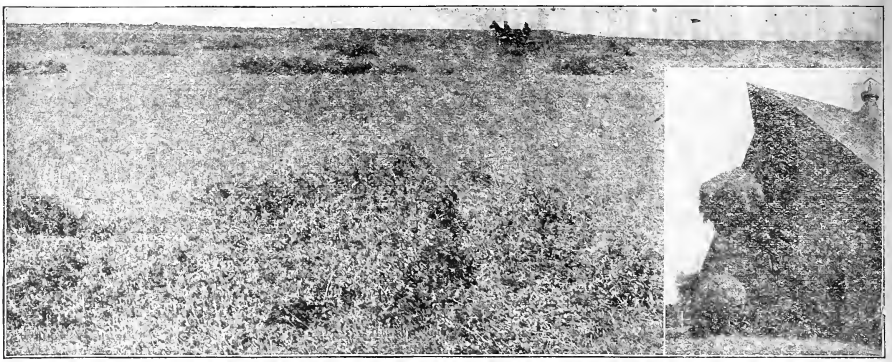
Iowa Standard Alfalfa

Is a good grade of Alfalfa, fully up to the standard of the Iowa pure seed law, and is in fact fully equal to most of the Alfalfa seed offered as "choice" or "prime" by other dealers. It is really nice seed and we will mail a sample for comparison if desired. Write for price.

Turkestan Alfalfa

We import the seed of this variety, but are just as careful in our buying as we are in the purchase of American seed. There is a demand for this sort in the semi-arid regions of the west and northwest as it is said to be hardier than our native sorts. The seed which we offer will be clean, plump and vital and in purity is nearly as good as our Iowa Shield Brand. If you want a hardy Alfalfa we recommend this to you without reserve. Per lb. 30c, 3 lbs. 75c, postpaid. Ask for bushel price.

ASK FOR FREE CIRCULAR, "HOW TO GROW AND USE ALFALFA IN THE CORN BELT"



SWEET CLOVER

Ask for Circular on Sweet Clover and Price Per Bushel.

During the past three or four years, there has been considerable discussion in the farm papers as to the value of Sweet Clover, and the plant which has for many years been thought of as a weed is now beginning to take a prominent place in agriculture and those who have tried it longest are most earnest in its praise. It has been demonstrated repeatedly by actual farm experience in Iowa, as well as in the surrounding states, that all kinds of live stock will eat it readily and when they once acquire the taste for Sweet Clover they will eat it in preference to any other clover or grass, and not only like it as a pasture, but also when cured as hay. It can be grown on land which is not fit for other clovers and is said to produce a larger quantity than any other clover on the list, as it can be cut from two to four times during the season and if cut while growing vigorously before the stems become hard, it is very nutritious.

Sweet Clover belongs to the family of leguminous plants, and adds greatly to the fertility of the soil on which it has been grown. The same bacteria which live on its roots thrive on the roots of alfalfa and therefore it is claimed that alfalfa will do much better on land where Sweet Clover has previously been grown. It roots very deeply, therefore opens up the soil so as to adapt it for all other kinds of crops, making it not only more rich in nitrogen, but allowing the roots of other plants to penetrate more deeply.

WHITE BIENNIAL.—(Melilotus Alba, or Bokhara.)—The white-flowered variety frequently seen growing wild along the roadsides. Many farmers are using this as a pasture clover, claiming it to be equal to alfalfa and superior to common red clover for this purpose. In growing it for hay, it is cut when about 18 inches to two feet high and before it begins to branch heavily. If the mower bar is set about six inches above the ground it will cut above the first branches and the clover produces a second crop. If cut too close to the ground the plants are not likely to survive the first cutting. Sow very early in spring or fall, and without a nurse crop. Germinates more quickly and freely if sown on a well prepared seed bed. Per lb. 40c, 3 lbs. $1.06.

YELLOW BIENNIAL.—(Melilotus Officinalis.)—Very similar to the commoner white-flowered (Melilotus Alba), but blooms a little earlier. Not so rank and coarse and for this reason is claimed to be superior. Per lb. 40c, 3 lbs. $1.10.

YELLOW ANNUAL.—Melilotus Indica.)—A small annual variety used for quick pasture; grows rapidly; ready for grazing in 60 days; for inoculating soil for alfalfa and for bee pasturage. Sow 10 lbs. per acre. Lb. 40c, 3 lbs. $1.10.

ALSIKE CLOVER

Unequalled for hay and we cannot too strongly recommend it to our customers. It is hardy even in northern Minnesota, and is the only variety which will produce a good crop and not kill out in low, wet land. The hay is finer and better than any other, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or flesh colored heads. Seed small and requires only about 7 pounds per acre or half that quality if sown with timothy. Per lb. 40c, 3 lbs. $1.10, postpaid. Ask for price per bushel.

WHITE DUTCH CLOVER

Valuable in pasture mixtures. Also used largely for lawns. Hardiest of any clover. Creeping habit. Desirable for terraces and sloping grounds. Our "Iowa Shield" grade is extra bright and fine. Sow 5 lbs. per acre. Per lb. 60c, 3 lbs. $1.70, postpaid.

CRIMSON CLOVER

(Also called Giant Incarnate.)—An annual variety. It commences to grow after cutting the grain nurse crop and continues until severe freezing weather and makes good hay. Sow in April or May, 20 lbs. per acre. Winter kills in this latitude. Desirable for soiling. Per lb. 35c, 3 lbs. $1.00, postpaid. Ask for price in quantity.

SANFOIN CLOVER

(Called also Esparcette Clover.)—A little known variety of special value for light, dry, sandy or limestone soils. Is a good fodder plant. Usually sown with oats or barley, using 20 or 40 lbs. of seed to an acre. Per lb. 35c, 3 lbs. 90c, postpaid. Ask for price per bushel.

MILLET



GERMAN MILLET

There is nothing like millet to cover up shortage in your hay crops. Can be sown in the middle or end of July and makes a valuable catch crop. This catalogue is printed six months in advance of sowing season, so we do not quote prices on large lots.

GERMAN MILLET.—Matures about two weeks later than common millet. It grows 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow 50 lb. to acre. "Iowa Shield" brand is desirable. Lb. 20c, 3 lbs. 50c, postpaid.

HUNGARIAN.—Popular in some sections. Sometimes preferred to millets as it is thought to be less dusty. Per lb. 20c, 3 lbs. 50c, prepaid.

JAPANESE MILLET.—(Panicum crus-galli.)—A distinct variety called by one seedsman the "Billion Dollar Grass." Especially valuable for the north. Yields an enormous crop of forage, which is greatly relished by stock. When cured makes an excellent hay. Per lb. 30c, 3 lbs. 75c, postpaid.

MANITOBA MILLET.—Hog or Broomcorn millet. Best for withstanding drouth. Two weeks earlier than German. Per lb. 20c, 3 lbs. 50c, postpaid.

PEARL MILLET.—Entirely different from ordinary millet; an immense fodder yielder, of tall growth, highly recommended by the Dept. of Agriculture for the south. Sow in May in the north. Pkt. 5c, lb. 25c, 3 lbs. 70c, postpaid.

IOWA SHIELD GERMAN MILLET.—This is an extra fancy grade of the true southern grown German millet of the Tennessee or cultivated strain. The seeds are round and "shotty." The heads are very large, borne on a strong, vigorous, very leafy plant and produces a much heavier crop than the ordinary stock. Per lb. 25c, 3 lbs. 60c, postpaid.

COMMON MILLET.—Best quality. Preferred by some to German, as it does not grow so rank and coarse. Makes a better quality hay, but will not produce so heavily. Requires strong, rich ground for best results. Lb. 20c, 3 lbs. 60c, postpaid.

SIBERIAN MILLET.—Frequently called Red German millet. Resembles German millet in manner of growth and productiveness. Earlier and seed is mixed red and yellow. Per lb. 20c, 3 lbs. 50c.

LAWN GRASS SEED

Thank God for Grass! No other Glory vies
Win the refreshing glory of the grass;
Not e'en the blue of the o'er bending skies,
Nor fading splendors when daylight dies,
Can this sweet smile of living green surpass.

A nice velvety lawn adds more to the beauty of a place than any other adornment and even the humblest home may be made attractive with such surroundings, while without a good lawn even the finest flowering plants and elegantly arranged beds seem insignificant. How important it is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for twenty-page circular of information, "How to Make a Lawn."



EVERGREEN MIXED LAWN GRASS SEED.—This is our own special mixture of the very best varieties of grass seeds which are suited for growing together in the central and northern states and will make a beautiful, soft, velvety lawn, as handsome green as an emerald and is formed of grasses which keep green from early spring all through the hot, dry summer weather, until late in the fall. It comes up quickly (in about two weeks after seed is sown) and after once up it soon spreads to cover the ground and is ready for the lawn-mower in six or eight weeks. It is permanent, maintaining its beauty for a lifetime, though it is a good plan to give a lawn a top seeding every two or three years. Made by us from new crop, recleaned, pure seeds. Per lb. (will sow 400 square feet) 40c, 3 lbs. $1.10, postpaid. By freight, per bu. (15 lbs.) $3.60, 5 bu. or more at $3.40 per bu.

SHADY PLACE LAWN MIXTURE.—This mixture is a combination of fine dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly 1 lb. to 300 sq. ft. Per lb. 50c, 3 lbs. $1.35, postpaid. By frt., bu. (15 lbs.) $4.25.

Make Your Place
Look Like Home
This Year by Fixing up a Good Lawn.

TERRACE LAWN MIXTURE.—It is very difficult sometimes to grow a good sod on sloping ground, terraces, side hills, or on embankments. This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains can not wash out easily. On new lawns some oats should also be sown in order to prevent washing until the grass gets a start. Per lb. 50c, 3 lbs. $1.35, postpaid. By frt., per bu. (15 lbs.) $4.25.



SWEET VERNAL.—A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb. 40c, 3 lbs. $1.10, postpaid.

GOLF LINKS MIXTURE.—A mixture of fine grasses which liberally sown produces a fine green sward. They grow vigorously when cut closely, form a fine mass of interlacing roots, and also differ in their seasons of maturity, so a succession of fresh growths is secured from the early spring to latest fall. Per lb. 50c, 3 lbs. $1.35, postpaid. By frt., bu. (15 lbs.) $4.25.

OUR PUTTING-GREEN MIXTURE.—A mixture of extra fine grasses that will make a close, firm, green and lasting turf; improves the more it is trampled. Per lb. 75c, 3 lbs. $2.00, postpaid. By frt., bu. (15 lbs.) $5.00.

LAWN MOWERS, ROLLERS, and other necessities for the making of a really choice lawn, will be found listed on page 139.

SUBURBAN HOME LAWN GRASS.—This is a very fine mixture for any lawn, but it is of special value for use in public parks and also around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor both when growing and when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Per lb. 40c, 3 lbs. $1.10, postpaid. By frt., bu. (15 lbs.) $3.25, 5 bu. or more at $3.10 per bushel.



Roots of Grass Showing Need of Lawn Fertilizer

SOUTHLAND MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice, bright lawn the year around. Per lb. 60c, 3 lbs. $1.50, postpaid. By freight, per bushel (15 lbs.) $5.25.

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit makes it fine for terraces and sloping ground. Seed very small and requires but little in mixtures. Lb. 60c, 3 lbs. $1.70, postpaid.

KENTUCKY BLUE GRASS, "Iowa Shield" Brand.—Our stock of this is the best grade of fancy cleaned, new crop, tested seed. The crop is very good, but prices may advance before spring. Lb. 40c, 2 lbs. for $1.10, prepaid. By freight, per bu. (14 lbs.) $3.60, 5 bu. or more at $2.85 per bushel.

LAWN FLOWER SEED MIXTURE.—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the spring. Pkt. 10c, oz. 25c.

PEERLESS LAWN FERTILIZER.—Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. Our Peerless Lawn Dressing is prepared specially for lawns, is of best quality, dry, finely pulverized, easy to apply. Possesses in the highest degree and concentrated form the constituents best calculated to nourish grass, promote luxuriant growth and the dark green color so admired. Not only the most perfect lawn dressing devised, but the most pleasant to handle, being practically non-odorous. In preparing a new lawn, sow 10 to 30 lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 40 lbs. per 1,000 sq. ft., or 1,000 lbs. per acre, early in spring. 10 lb. pkg. 60c, 25 lbs. $1.60, 50 lbs. $1.60, 100 lbs. $2.75, 500 lbs. or more at $2.50.



Root of Grass Showing Effect of Using Peerless Lawn Dressing

SHEEP MANURE.—This is a natural manure. Is unadulterated and has far more fertilizing value than the packing house products. If wanted to use in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c, 50 lbs. $1.25, 100 lbs. for $2.00, 500 lbs. or more at $1.75 per 100.

PURE BONE MEAL.—A splendid fertilizer for all purposes; specially nice for use on lawns, as it is clean, free from odor and gives results in added growth of grass. 10 lbs. 50c, 50 lbs. $1.25, 100 lbs. $2.25.



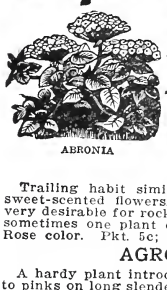
Our floral beauties come in for their full share of attention, and aside from our seed farm we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attend to growing whatever can be grown to advantage in this country, test all novelties offered in this country or Europe, and are constantly trying by selection and hybridization to improve the leading varieties, and make our choice Iowa Flower seeds just what we are striving for—the best in the world. We **invite all our customers to call and see this Floral Exhibition** whenever they are in the city. Even during the winter the large green-houses on these grounds are a revelation of beauty which surprises everyone. We also have a large acreage on our seed farms east of this city devoted to floriculture. Our flower seeds are all fresh and we know are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we classify the climbers, everlastings and grasses separately at the end of the list. Don't fail to notice also the novelties listed on colored pages of this book.

HOME FLORICULTURE

By Chas. N. Page, Pres. and Mgr. Iowa Seed Co.

A book of instructions for growing flowers either from seeds or plants. Price in paper covers 25c, or will be mailed free on orders of $2.00 or more, if asked for.

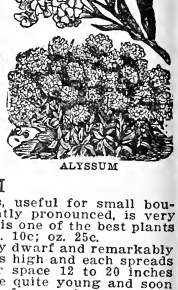
DIRECTIONS FOR SOWING, ETC.—The conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and observed in culture. We give a few general instructions though more complete directions are printed on seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make surface smooth and fine as possible; sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbena, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep too wet, and when large enough to handle, transplant to boxes from one to two inches apart to remain until put in permanent beds.


ABRONIA


AMARANTHUS


ARCTOTIS GRANDIS


ANTIRRHINUM


ALYSSUM

ABRONIA

Trailing habit similar to verbena, bearing clusters of sweet-scented flowers. Effective for bedding in masses, very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard square full of bloom. Rose color. Pkt. 5c; ¼ oz. 10c; oz. 20c.

AGROSTEMMA

A hardy plant introduced from Russia; blossoms similar to pinks on long slender stems. Suitable for border plants; fine for bouquets or cemetery. Mixed colors. Pkt. 5c.

AMARANTHUS

Prized for very handsome foliage, whether grown in conservatory or garden. Colors will be more brilliant if in moderately rich soil. Should not be planted in the north before the month of May.

TRICOLOR.—Leaves yellow, red and green; well known as "Joseph's Coat." Hardy annual, 2 feet high. Pkt. 5c.

SALICIFOLIUS.—Known as "Fountain Plant." Pkt. 5c.

CAUDATUS.—(Love Lies Bleeding.)—Produces long, drooping chains of brilliant colored flowers. Pkt. 5c.

MIXED VARIETIES.—Pkt. 5c; ¼ oz. 10c; oz. 30c.

AMBROSIA

(Perfume Plant.)—Long spiral stem with abundant round, greenish-yellow buds and blossoms. Very fragrant. Fine for bouquets or floral work. Pkt. 5c; ¼ oz. 10c; oz. 25c.

ARABIS

ALPINA.—Among the earliest blooming plants; very useful for rockwork, edgings, carpet bedding, etc. Flower pure white; plant 9 inches high, hardy perennial. Pkt. 5c.

ALYSSUM

SWEET.—Has little white flowers, useful for small bouquets. Its fragrance, while sufficiently pronounced, is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 5c; ¼ oz. 10c; oz. 25c.

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth; only 3 or 4 inches high and each spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants bloom while quite young and soon become one mass of white, remaining from spring until fall. Deliciously fragrant. Pkt. 5c; ¼ oz. 20c; oz. 50c.

ASPERULA

AZUREA SETOSA.—Is a hardy, dwarf growing little annual, producing an abundance of small, light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c; ¼ oz. 10c; oz. 25c.

ANTIRRHINUM

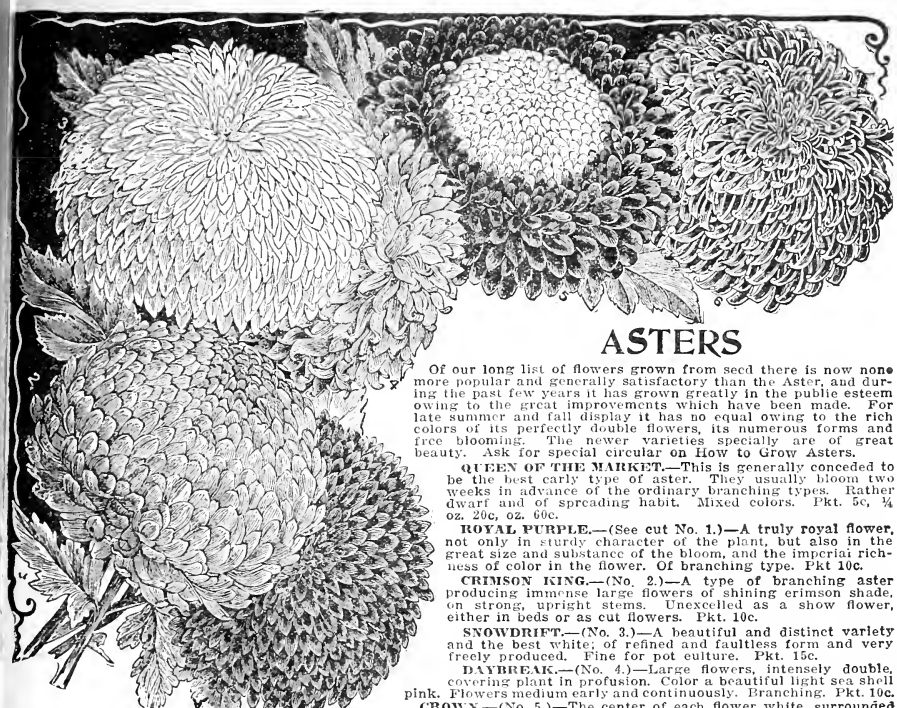
(Snapdragon)

GIANT FLOWERED.—Most beautiful new class, having all the finest colors and markings known in the old varieties, together with several new shades. Flowers are of immense size and produced in long spikes, 1 to 2 feet in height, almost as large and beautiful as gladiolus, blooming continuously. Pkt. 10c; ¼ oz. 40c; oz. $1.25.

DWARF MIXED.—Large flower. Pkt. 5c; ¼ oz. 30c; oz. $1.

ARCTOTIS GRANDIS

This is a remarkably handsome annual which forms much-branched bushes 2 to 3 feet high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the surface, embellished with a narrow yellow zone at base; reverse of petals lilac-blue; disc is light blue with slightly projecting white stamens. A lovely flower. Pkt. 10c.



ASTERS

Of our long list of flowers grown from seed there is now none more popular and generally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem owing to the great improvements which have been made. For late summer and fall display it has no equal owing to the rich colors of its perfectly double flowers, its numerous forms and free blooming. The newer varieties specially are of great beauty. Ask for special circular on How to Grow Asters.

QUEEN OF THE MARKET.—This is generally conceded to be the best early type of aster. They usually bloom two weeks in advance of the ordinary branching types. Rather dwarf and of spreading habit. Mixed colors. Pkt. 5c, ¼ oz. 20c, oz. 60c.

ROYAL PURPLE.—(See cut No. 1.)—A truly royal flower, not only in sturdy character of the plant, but also in the great size and substance of the bloom, and the imperial richness of color in the flower. Of branching type. Pkt 10c.

CRIMSON KING.—(No. 2.)—A type of branching aster producing immense large flowers of shining crimson shade, on strong, upright stems. Unexcelled as a show flower, either in beds or as cut flowers. Pkt. 10c.

SNOWDRIFT.—(No. 3.)—A beautiful and distinct variety and the best white, of refined and faultless form and very freely produced. Fine for pot culture. Pkt. 15c.

DAYBREAK.—(No. 4.)—Large flowers, intensely double, covering plant in profusion. Color a beautiful light sea shell pink. Flowers medium early and continuously. Branching. Pkt. 10c.

CROWN.—(No. 5.)—The center of each flower white, surrounded by a broad margin of color—crimson, rose, violet, etc.; flowers are large, freely produced. Beautiful and showy. Mixed colors. Pkt. 5c.

MARVEL.—(No. 6.)—A most charming new variety from Germany. Flower large and petals pure white, beautifully striped with a band of bright rose, red, pink, lilac or some other distinct color down the center of each. A very brilliant and showy flower. Pkt. 15c.

BIG SIX ASTER COLLECTION

One packet each of the six beautiful varieties illustrated in the above picture for 45c.

IMPROVED BRANCHING.—This is the most popular florists' strain. It is also a popular type for outdoor growing and is sold in greater quantity than any other. We can furnish it in the following colors:

White	Pink	Lavender
Rose	Crimson	Purple
Carmine	Dark Violet	Mixed colors

Each per pkt. 10c; ¼ oz. 40c; oz. $1.25.

One packet each of eight separate colors of this splendid type for 50c.

SEMPLE'S BRANCHING.—Flowers are large and double, borne on large, stiff stems. Mixed colors. Pkt. 5c.

GIANT COMET MIXED.—Shape differs from all others, resembling the Japanese chrysanthemum. The flowers are from 3 to 4½ inches in diameter, perfectly double. Pkt. 10c; ¼ oz. 40c; oz. $1.25.

HARLEQUIN.—A curious, attractive and beautiful variety with oddly spotted and striped very double flowers of red and blue. Popular for bouquets, as they harmonize so nicely with solid colored flowers. Pkt. 10c.

MIKADO.—Immense size with curled and twisted petals. A special strain from Giant Comet stock that is very attractive and popular. Mixed rose and white. Pkt. 15c.

BETTERIDGE'S QUILLED.—Perfectly double, tube or quill shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

ROYAL MIXED.—This is our choicest mixture of types and colors, made from named varieties and specialties in high grade asters. It will produce the widest range of colors and the strongest and most vigorous plants. Mixed in our own establishment to safeguard its quality. Pkt. 10c; ¼ oz. 40c; oz. $1.25.

VIOLET KING.—Large flowers 4 to 5 inches across, of beautiful rich violet purple color. Pkt. 10c.

GLORIA OR BUTTONHOLE.—One of the prettiest little plants for bedding that we know of. Grow to a height of 10 inches, are very branching and free blooming. Pure white with a brilliant scarlet margin. Pkt. 10c.

PERFECTION MIXED.—(Truffant's Improved Pæony Flowered.)—A favorite; flowers large and almost perfectly round, incurved petals. Pkt. 5c.

WASHINGTON.—Largest in cultivation, flowers often 5 to 6 inches across; mixed colors. Pkt. 10c; ¼ oz. 50c; oz. $1.50.

GOLDEN BALL.—The long sought novelty—a yellow aster. Pkt. 10c.

FINE MIXED.—Mixture of varieties and colors from the fields of the growers. Good seed at a low price. Pkt. 5c; ¼ oz. 30c; oz. $1.00.

SINGLE FLOWERING MIXED.—This plant bears a mass of star-shaped flowers. Pkt. 5c.

PERENNIAL MIXED.—Single flowering, hardy, herbaceous plants. If sown early will flower first season. Pkt. 5c.

ENCHANTRESS ASTER COLLECTION

Four Superb Sorts Four Brilliant Colors
One packet of each for only 25 cts

ENCHANTRESS.—Truly a magnificent novelty in asters, of the most beautiful delicate shade of shell pink similar to the noted Enchantress carnation, and probably the most popular color among the many tints found in flowers. Of branching type, producing blossoms of perfect shape on long stems. Pkt. 15c.

PURITY.—A pæony flowered type of branching form, with flowers borne on long stems. Everyone appreciates the need of pure white in color harmony. The perfect form and large size of the flower decided us to choose this sort for our special collection. Pkt. 10c.

LAVENDER GEM.—The daintiness of the lavender color delights the eye, while the perfect form and lovely type of the bloom itself makes the Lavender Gem a cherished aster among all lovers of this flower. It is almost impossible to make a color combination in which lavender is not harmonious. Pkt. 10c.

CARDINAL.—This adds the brilliancy necessary to complete the quartette of beauty. We consider our Enchantress Aster Collection one of the best offers we have ever presented to our customers. It would not be complete, however, without the Cardinal to give the brightness and shining touch which a pleasing red always conveys. Pkt. 15c.

ASTER PLANTS GROWN FROM OUR CHOICEST MIXTURES OF SEED OFFERED AT LOW PRICE ON PAGE 109



PEERLESS MIXED BALSAMS

BALSAM

One of the most beautiful of our annuals, and under the old names Lady Slipper and Touch-Me-Not, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double, rich in colors, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.

CAMELIA-FLOWERED MIXED.—Are very double, resembling the camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 5c; oz. 40c.

PEERLESS MIXED.—A new mixture made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors. Plants are loaded with hundreds of flowers. Pkt. 10c; oz. 60c.

ALL VARIETIES MIXED.—A nice mixture of older sorts. Pkt. 5c; oz. 25c.

BLUE BELLS

The popular flower of Scotland. Beautiful bell-shaped, bright blue flowers. Hardy perennial. Pkt. 10c.

BRACHYCOME

Also called "Swan River Daisy." Very pretty low-growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.

AQUILEGIA

(Columbine.)—Too much praise cannot be given to these elegant, free-flowering and deservedly popular hardy plants; bloom profusely through spring into early summer. Hardy perennial.

LONG SPURRED HYBRIDS.—A much more robust species, both in plant and flower than the ordinary kinds. Colors show wide variations and beauty. Splendid, showy, lasting flowers for interior. Pkt. 15c.

CHRYSANTHA.—The beautiful large flowered canary yellow variety. Very showy and satisfactory. Pkt. 5c.

COERULEA. — Flowers very large, violet, blue and white. Seed in mixed colors only. Pkt. 10c.

DOUBLE VARIETIES MIXED.—A fine assortment. Per pkt. 5c.

AFRICAN GOLDEN DAISY

(Dimorpotheca Aurantiaca.)

This showy annual comes from South Africa. Of recent introduction it is so profuse in bloom, so brilliant in color, so useful for decoration and so easily grown that it is becoming a great favorite everywhere. The blossoms are two to three inches in diameter, a peculiarly rich, glossy orange gold color produced quickly on sturdy, hardy, bushy plants 12 to 15 inches high. A bed of it in full bloom is truly a splendid show. Pkt. 10c.

AGERATUM

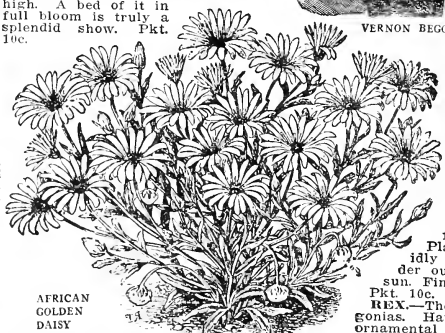
BLUE PERFECTION.—A great improvement over the common blue ageratum. Flowers larger and of a deeper blue. Blooms profusely; striking for beds or borders. Pkt. 10c; ¼ oz. 25c.

MEXICANUM.—(Blue.)—Suitable for beds; blooms long time; largely used by florists; start seeds early. Pkt. 5c; ¼ oz. 15c; oz. 40c.

ALBIFLORUM.—Like above, only white. Pkt. 5c; ¼ oz. 15c; oz. 45c.



VERNON BEGONIA



AFRICAN GOLDEN DAISY

BEGONIA

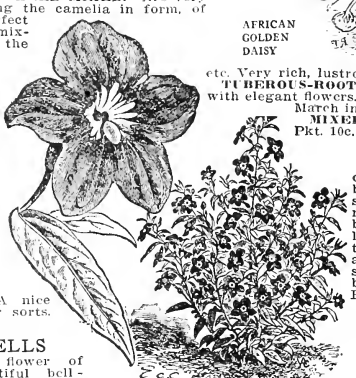
Seeds very small, almost microscopic, and should be sown on top of soil in box, pressing soil evenly. Cover with a glass and give partial shade until up.

VERNON.—Comes true from seed. Plants grow rapidly and thrive under our hot summer sun. Fine for bedding. Pkt. 10c.

REX.—The king of Begonias. Have very large ornamental leaves of dark green, bronze, gold, red, etc. Very rich, lustrous, tropical appearing. Choice mixed. Per pkt. 25c.

TUBEROUS-ROOTED.—Valued for decoration; covered the whole summer with elegant flowers. Blooms first season from seed, if sown in February or March in temperature of 60°. Single and double mixed. Pkt. 15c.

MIXED VARIETIES.—Excellent varieties of flowering sorts. Pkt. 10c.



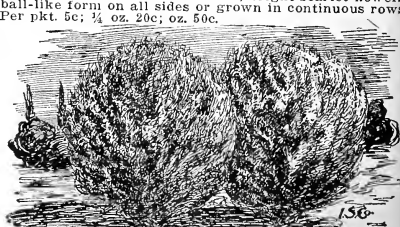
BROWALLIA GRANDIFLORA

BROWALLIA

GRANDIFLORA.—A new sort; most beautiful of all Browallias. Grow only about 1 ft. high; form dense little bushes covered with abundance of delightful extra large sky-blue flowers. Hardly another plant with blue flowers that compares with it. Pkt. 10c.

MEXICAN BURNING BUSH

This we consider one of the most ornamental border or hedge plants and is sure to attract attention. Known botanically as Kochia Scoparia. It grows quickly from seed sown in the open ground. Plants are always of the rounded or globe-like form shown in our illustration, branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, shoots are thickly set with small, bright scarlet flowers, ball-like form on all sides or grown in continuous rows. Per pkt. 5c; ¼ oz. 20c; oz. 50c.



MEXICAN BURNING BUSH

BEGONIAS FOR FLOWERS AND FOLIAGE IN SPLENDID VARIETY ON PAGE 88



GOLDEN WAVE CALLIOPSIS.

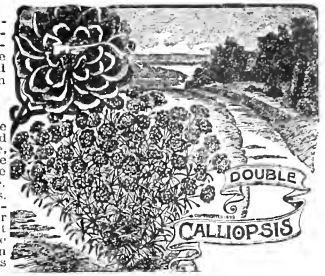
BUTTERFLY FLOWER

This large-flowering variety of Schizanthus is one of the handsomest annuals, the shape and colors being so unusual and exquisite that it challenges the rare orchids in beauty. Easily grown and makes a bushy plant fairly loaded with rich and various colored flowers. Pkt. 5c.

CALLIOPSIS

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing it would be considered a novelty of rare excellence.

LANCEOLATA.—New Golden Coreopsis.—One of the most showy **hardy perennials grown,** forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden yellow. Unequaled for cutting. Grows anywhere. Pkt. 10c; ¼ oz. 25c; oz. 75c.



GOLDEN WAVE.—Plant very bushy and compact, reaching 2 ft. in height, covered from July to October with hundreds of beautiful golden blossoms 2 in. in diameter with small dark centers. It is indeed a wave of gold. Pkt. 5c; ¼ oz. 15c; oz. 40c.

SINGLE MIXED.—Mixture of annual varieties. Many shades of yellow, red and brown. Pkt. 5c; ¼ oz. 10c; oz. 30c.

NEW DOUBLE.—A beautiful and charming new type of the annual Calliopsis. Pkt. 5c; ¼ oz. 25c; oz. 75c.

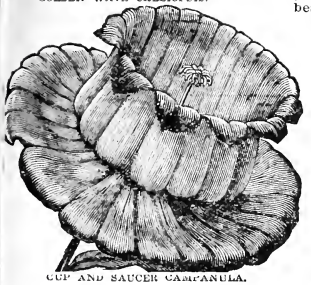
CAMPANULA

CUP AND SAUCER.—A beautiful variety. Bell nearly **4 inches in diameter,** presenting form of a saucer, hence its name. Plant is of strong growth, quite as hardy and floriferous as old blue variety, and is elegant and handsome, when in flower blossoms literally hiding plant. Perennial. Mixed colors. Pkt. 10c.

SINGLE MIXED.—A choice mixture of single sorts. Pkt. 5c.

DOUBLE MIXED.—Choicest seed from selected plants. Pkt. 10c.

CANTERBURY BELLS.—(Campanula Medium.)—See page 69.



CUP AND SAUCER CAMPANULA.



CANNA

CINERARIA

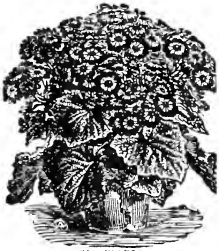
As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form.

LARGE FLOWERING MIXED.—The plants grow perfectly circular in shape and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have well-defined white eye and are unsurpassed for attractiveness. Pkt. 15c.

CALENDULA

Belongs to the well known marigold family.

FINE MIXED.—Many nice varieties and when planted together they make a showy bed. Pkt. 5c; ¼ oz. 10c; oz. 25c.



CINERARIA.

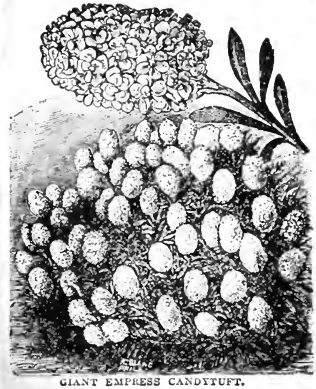


CALENDULA

CANNA

Unquestionably one of the best of bedding plants for the American climate. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. Easily raised from seed which should be soaked in hot water for several hours.

FANCY LARGE FLOWERED.—A very large flowering dwarf variety, 2½ feet. Flower first year from seed. Mixture of finest flowering sorts. Pkt. 5c, oz. 25c.



GIANT EMPRESS CANDYTUFT.

CANDYTUFT

Considered indispensable for cutting. All varieties look best in beds or masses; hardy, easy to cultivate, and blooms profusely. Hardy annuals one foot high.

GIANT EMPRESS.—One of the finest varieties, in height between Rocket and Tom Thumb sorts. Of very branching habit and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 10c.

BEST MIXED.—Mixture of all varieties and colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

SEMPERVIRENS.—Profuse blooming white perennial. Early. Pkt. 10c.

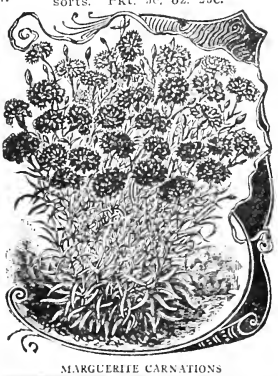
Finest of the dianthus or pink family.

CARNATION

Very fragrant. Our seed unsurpassed.

DOUBLE EXTRA MIXED.—The best greenhouse varieties. Will produce wide varieties of markings and colors. Pkt. 7c.

MARGUERITE.—Mixed.—These lovely, fragrant flowers are in full bloom in about four months after sowing. Plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The range of color, marking, variegations and shading are simply wonderful. Pkt. 10c.



MARGUERITE CARNATIONS



GIANT EMPRESS COCKSCOMB

CACTUS

Almost everyone who keeps house plants likes to have a few nice Cacti. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico, as well as some foreign countries, and mixed together. Easily grown from seed planted in clean sand. Pkt. 10c.

CELOSIA

For summer beds we know of nothing that will produce as showy and brilliant effects.

SPICATA.—A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids, about 2½ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to silvery white; fine for garden or growing in pots. Pkt. 10c.

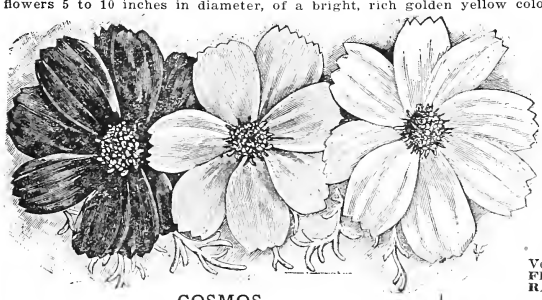
OSTRICH FEATHER.—Beautifully curled crimson plumes. Pkt. 10c.

ALL VARIETIES MIXED.—Pkt. 5c.

COCKSCOMB

GIANT EMPRESS.—Is very handsome either for pot plants or specimens in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in breadth; purple combs and dark bronze foliage. Pkt. 10c.

GOLDEN GLOW.—A most attractive novelty. Plants large and produce many handsome flowers 5 to 10 inches in diameter, of a bright, rich golden yellow color. Per pkt. 5c.



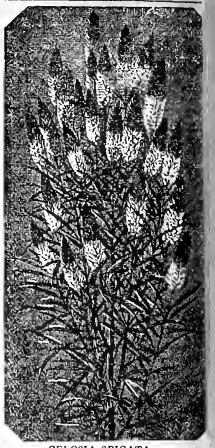
COSMOS

A magnificent race of plants growing about 3 to 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. As a cut flower for vases or personal wear its grace and beauty is unequaled. Easily raised from seed if sown early.

LADY LENOX.—Beautiful light pink flowers of extra large size, sometimes 6 inches in diameter. Full, vigorous plants, six to seven feet. Uncqualed among annuals for screens and tall borders. Pkt. 10c; ¼ oz. 20c; oz. 50c.

EARLY DAWN MIXED.—Introduced by us and it jumped at once into popularity on account of its extreme earliness, coming in bloom about two months from time of sowing and continuing until destroyed by frost. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. A free blooming plant of easiest culture. Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

MAMMOTH PERFECTION.—Flowers double the size of the old flowering cosmos. Seed should be sown early in the house, as they are quite late. Pkt. 5c; ¼ oz. 15c; oz. 45c.



CELOSIA SPICATA

CHINESE LANTERN PLANT

Showy annual about 18 inches high; bears large red cherry-like fruits eac enclosed in enormous balloon-like, semi-trans parent calyx(about three inches long, at firs light green, gradually changing to yellow, the orange, and finally crimson. Effective in autum garden or pots. Better on rather poor soil. Pkt.5

CLARKIA

A very pretty and desirable hardy annua about 2 feet high. Flowers are white, re purple, etc., borne in profusion during summe

SINGLE AND DOUBLE MIXED.—Pkt. 5c.

COLEUS

Very decorative border plant. Pkt. of 150 seed

FINE MIXED COLORS.—Pkt. 10c.

RAINBOW.—Finest sort; sure to please. Pkt. 15

CENTAUREA

CYANUS.—Called Ragged Sailor, Corn Flower, Blue Bottl Bachelor's Buttons and Bluet. A very old favorite garde annual, flowering freely in almost any situation. Height 2 t 3 feet. Mixed colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

CYANUS DOUBLE.—A most charming sport from the abov well shown in our illustration. Flowers very large and glob ular. A continuous bloomer, and becoming quite popula Our mixture contains a great variety of colors. Pkt. 5c.

MARGUERITE.—One of the handsomest flowers ever pro duced. Large flowers of purest white, deliciously scented, ex quisitely lacinated, freely produced. Pkt. 5c; ¼ oz. 20c; oz. 60

GYMNOCARPA.—(Dusty Miller.)—The foliage of this vari ety is finely cut and silvery. It is perhaps the best whit leaved plant for bedding purposes. Pkt. 5c.

IMPERALIS MIXED.—A grand improvement on the ol favorite Sweet Sultan; long stemmed blossoms 3 to 4 inche across, of graceful, airy effect, and deliciously fragran Glistening white, red, blue, lilac, royal purple, etc. Fine fo bouquets, vases or as corsage flowers. If cut scarcely opene will last for ten days in water. Pkt. 10c; ¼ oz. 25c; oz. 75

CHRYSANTHEMUM

The Annual Chrysanthemums are different from the large flowered perennial sorts grown by florists; grow easily from seed; flower freely in summer and fall.

CHAMELEON.—A new and distinct annual variety producing very large single flowers with purple, black, crimson, yellow and copper. Pkt. 10c.

NEW DOUBLE ANNUAL.—A valuable and unique novelty. Extremely variable and it is impossible to describe the beautiful forms which have been produced. A great variety of colors, markings and pencilings. Very double, semi-double or single, all equally charming. Pkt. 5c; ¼ oz. 20c; oz. 50c.

PERENNIAL. — Double Mixed.—This is the popular greenhouse sort. Showy and desirable for fall and early winter blooming. A great variety of colors, markings and pencilings. Very double, semi-double or single, all equally charming. Pkt. 5c; ¼ oz. 20c; oz. 50c.



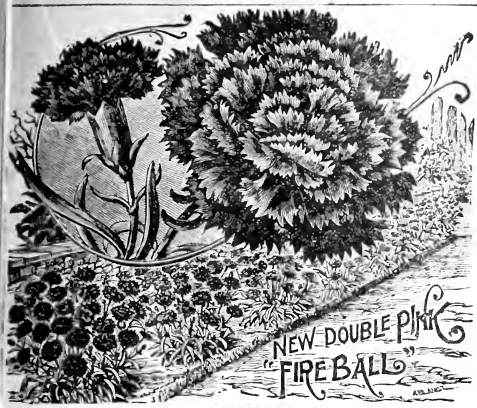
DOUBLE CENTAUREA



DOUBLE ANNUAL CHRYSANTHEMUMS

COMMELINA SELLOWIANA

A lovely perpetual flowering "Wandering Jew," suitable for garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in short time from seed and is a beautiful and showy flower and sure to prove satisfactory. Pkt. 10c.

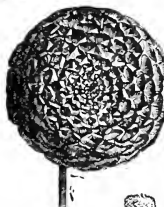


DAHLIA

The dahlia is well known, though few are aware that if the seed is sown early in the spring they will bloom the first year.

BEST DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent large, very double flowers of the richest shades. Per pkt. 10c.

SINGLE MIXED.—Pkt. 5c.


DOUBLE DAHLIA

DATURA

Large, strong-growing plant with trumpet-shaped flowers of large size.

CORNUCOPIA.—Plant about 3 feet high; stems dark purplish maroon; the flowers 8 in. long, 5 in. across throat, formed of two or three flowers one within the other; very fragrant. Per pkt. 10c.

DOUBLE VARIETIES MIXED.—The best kinds in mixture. Pkt. 5c.

ESCHSCHOLTZIA

CRIMSON.—This choice novelty is the result of nine years careful selection from a chance sport in a bed of yellow Eschscholtzia, the state flower of California. This flower is of a bright, handsome crimson. Is one of the most easily grown plants, producing a profusion of flowers. Pkt. 10c.

SINGLE MIXED.—California poppies. Pke. 5c; ¼ oz. 10c; oz. 35c.

DOUBLE MIXED.—We believe that the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c; ½ oz. 15c; oz. 40c.

GOLDEN WEST.—A giant flower of a rich golden yellow color, some specimens having a dark orange blotch in the center. Pkt. 5c; ¼ oz. 15c; oz. 40c.

HUNNEMANNIA.—"Bush Eschscholtzia." The flowers are cup shaped and about 3 in. in diameter. Color clear, bright yellow, having a satiny sheen over the surface. Sow thick as it generally germinates only about 50 per cent. Pkt. 10c.

EUPHORBIA

VARIEGATA.—Are strong growing annuals suitable for beds of tall growing plants or mixed borders; flowers inconspicuous; foliage, however, is ornamental, veined, margined white. Pkt. 5c.

HETEROPHYLLA.—(Annual Poinsettia.)—Bush-like with smooth, glossy-green leaves. In midsummer these are a beautiful orange-scarlet. Pkt. 10c.

Plants begin to flower shortly after coming up and continue profusely till severe frost. Effective for garden beds, pot culture, cut flower. Pkt. 5c.

SNOWBALL.—Fit companion to above. Flowers large, pure white, double, finely fringed, perfect form. Pkt. 5c.

IMPERIALS.—Fiore Pleno.—Best selection of popular type of double sorts. Contains a wonderfully fine diversity of colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

MOURNING CLOAK.—Magnificent new variety; very double large flowers of very dark mahogany, almost black, petals margined pure white. Pkt. 5c.

HEDDEWIGI.—Finest selected double mixed. One of the most showy. Pkt. 5c; ¼ oz. 15c; oz. 50c.

DOUBLE DIADEM PINK.—A superb large double flower, is hieroglyphically marked, like the original Chinese pinks, in the middle down to the base of each petal; magnificent in color and variety. Pkt. 5c.

CHINENSIS.—(Double Chinese Pink.—Mixed. Pkt. 5c; ¼ oz. 15c; oz. 50c.

MIXED VARIETIES AND COLORS.—Pkt. 5c; ¼ oz. 15c; oz. 50c.


GIANT SNOWBALL DAISY

DAISY

Popular perennials, blooming the first year from seed; very handsome for borders or pots.

BEST DOUBLE MIXED.—Per pkt. 5c.

NEW GIANT SNOWBALL.—Most charming variety of this handsome little flower. Has unusually large double flowers on long stems, making it valuable for cutting. Color pure snow. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Pkt. 10c.

SHASTA DAISY.—See page 77.

BUSH DOLICHOS

DWARF WHITE.—Bush form of well known Hyacinth Bean, popular as a summer climber. Blossoms similar in appearance to sweet pea, but borne on long racemes; pure white and very lovely. Followed by ornamental pods. Pkt. 10c; oz. 40c.


ESCHSCHOLTZIA EUPHORBIA VARIEGATA

ELECTRIC LIGHT PLANT

Near the entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. It was called "Electric Light Plant," but it is evidently some improved variety of Cleome. We secured the seed which these plants produced and grew a fine crop of it on our farm. It is a sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers 6 to 9 in. long which are pure white at base and range from rose to bright red at apex. Grows readily from seed, which should be planted in open ground early in spring. Showy and ornamental for clumps or massing. Pkt. 10c; ¼ oz. 25c; oz. 75c.


ELECTRIC LIGHT PLANT

CACALIA

COCCINEA.—A handsome free-flowering little plant; owing to peculiar form of the flower is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

CANTERBURY BELLS

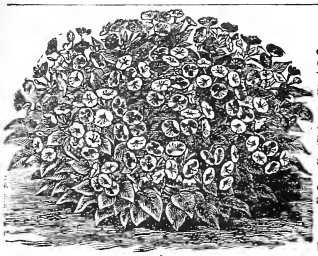
A very pretty perennial quite popular in some sections of the country. Double and single; mixed colors. Pkt. 10c.

DIANTHUS

The Dianthus, or Chinese Pink, is one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. Quite as pretty for pot plants in the house as carnations. Plants from seed grow and bloom very quickly. We are doing customers a kindness by urging them to plant Dianthus for both garden and pots.

ORIENTAL OR JAPANESE MIXED.—Our choicest offering of the favorite Dianthus or annual garden pinks. Markings and colors are rich and brilliant, form of blossoms dainty and beautiful. A few blooms will be solid colors but most of them will show wonderful variations, striped, blotched and banded. Colors range from white to deep crimson and maroon and flowers are produced profusely and continuously. More fragrant than older type of dianthus adding to their popularity. To those having grown the older types this new strain will be a revelation of superiority, and to those unacquainted with the newer pinks, this flower will surprise and delight the grower. Pkt. 5c; ¼ oz. 20c; oz. 50c.

FIREBALL.—A beautiful, very dwarf and compact-growing pink, only 10 to 15 inches in height. Flowers are perfectly double and color a rich velvety blood red.



FOUR O'CLOCK

FOUR O'CLOCK

(Mirabilis.)—The Marvel of Peru, or Four-o'clock, is one of the most brilliant and showy of annuals. Planted in beds or masses, their very compact growth, rich glossy leaves, together with their profusion and diversity of bloom, present a gorgeous sight in afternoon.

TOM THUMB MIXED.—A very handsome and compact dwarf, bushy plant, with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c; oz. 15c.

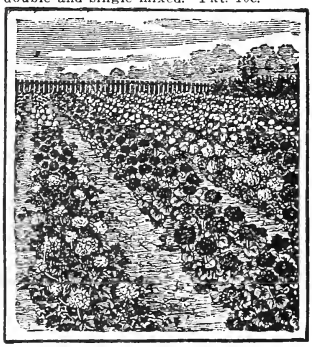
MIXED COLORS AND VARIETIES.—Contains a fine assortment of colors and is always satisfactory. Pkt. 5c; oz. 10c.

FERNS

Can be grown from the spores, or seed, by sowing in a very moist place under glass. Many varieties mixed. Per pkt. 15c.

FUCHSIA

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.



GOOD VENTURE GERANIUM

GERANIUM

GOOD VENTURE.—A greatly improved strain of geranium seed grown by a specialist for our trade; easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house bloom the first summer in the garden. Some seeds come up in a few days and others in many days, perhaps weeks. Plants grow rapidly, are strong and thrifty. Pkt. (about 40 seeds), 15c.

CHOICE MIXED.—This seed saved from nice varieties and mixed. Pkt. 5c.

GRASS PINKS

(Dianthus Plumarius.)

The hardy and pretty clove-scented flowers so much loved by our grandmothers. Their fragrance quickly noticed in passing yards where grown. There has been quite a call for these for several years. Colors range from pure white to dark pink, mostly a clear, delicate pink. A hardy perennial, fine for borders. Double and single mixed. Pkt. 5c; ¼ oz. 20c.

DOUBLE CLOVE PINKS.—A new type that grows more compact than old fashioned kind and has much wider range of shades and richer coloring. Blooms two weeks earlier than older type. Pkt. 10c; ¼ oz. 35c.

GODETIA

Handsome and showy annual about one foot high, of dwarf, compact growth; bear freely large flowers 3 to 4 in. across, of exquisite colors.

MIXED VARIETIES.—All colors. Pkt. 5c.

GOLD AND SILVER FLOWER

A great novelty from New South Wales which we introduced. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in center of silver dollar, which a few feet distant is quite striking and gave plant its name. Intensely double; blooms freely and is decidedly ornamental not only in beds but also for cut flowers; flowers not only retain their beauty kept in vases, but are everlasting, pretty when dry. Pkt. 10c.



GOLD AND SILVER FLOWER

GLOXINIA

Charming greenhouse plants, of dwarf habit. Flowers in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Bloom continuously for months. Seed should be started under glass. Choice mixed. Pkt. 25c.

GOLDEN ROD

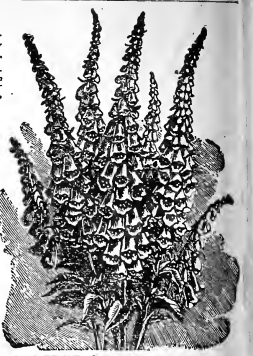
A well known general favorite that grows wild on our western prairies, it has been adopted by New York as state flower. Admired by all; easily grown from seed. Pkt. 5c.

GYPSOPHILA

Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown in open ground.

ELEGANS.—Mixed colors. Pkt. 5c.

PANICULATA.—White. Pkt. 5c.



FOXGLOVE

A showy perennial; a general favorite and now planted extensively for permanent backgrounds, borders and clump effects. Splendid for harmonizing with plantings of shrubs and thrives in any ordinary garden soil.

MIXED COLORS.—Old-fashioned sort. Pkt. 5c.

GLOXINIAFOLIA.—Is an improved strain growing 4 to 5 ft. high, producing large gloxinia-like flowers of many shades and markings. More robust than ordinary sorts. Pkt. 5c.

MONSTROSA MIXED.—A distinct type, the striking feature of which is that a large bell-shaped blossom tops each spike. Pkt. 10c.



GAILLARDIA GRANDIFLORA

GAILLARDIA

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

PERFECTION.—Improved sort, producing a very double flower, round as a perfect ball, in most varied and pleasing colors. Flowers are borne on long slender stems and when cut keep for over a week. Pkt. 5c; ¼ oz. 15c; oz. 40c.

GRANDIFLORA.—A splendid new perennial variety, with very large flowers, dark crimson centers, marked with rings of many brilliant colors; makes a nice showing in yard. Pkt. 10c; ¼ oz. 20c; oz. 50c.

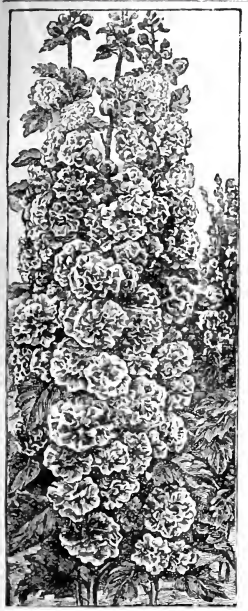
GLADIOLUS

Well known flower; is easily grown from seed, and we would like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties and will produce an assortment sure to please. It blooms the second year from seed. Pkt. 5c.

Gladiolus Bulbs in choicest named sorts and mixtures listed on page 87 of this catalogue.



GLADIOLUS



HOLLYHOCKS

No garden flower is more showy or admired. Start seeds in a box in the house in February or March; about May 1st transfer to a permanent place in the garden. Will produce elegant spikes.

EVERBLOOMING ANNUAL.—A most showy flower for massing, borders and backgrounds. Started in the house in March or April and set out in May it blooms in July. Blooms until killing frosts in fall. Sown in the open ground in May it blooms in August. Of vigorous growth, from 5 to 8 ft. high, and stalks are fairly loaded with large flowers, sometimes 5 inches across. Colors, crimson, canary, yellow, pink, white, maroon, black, scarlet, etc., some beautifully veined and marked; double, semi double, single. Pkt. 10c; ¼ oz. 35c; oz. $1.

CHATER'S PRIZE DOUBLE MIXED.—Magnificent double flowers 3 to 4 in. across, and all of the brightest colors; flowers quite as beautiful and perfect as those of the camelia; they are massed completely around spikes. A mixture of all colors and shades. Pkt. 10c; ¼ oz. 50c; oz. $1.50.

DOUBLE MIXED IN SOLID COLORS.—White, yellow, salmon pink, bright red. Either color, pkt. 10c; 1 pkt. of each of the four colors 30c.

ALLEGHENY MAMMOTH FRINGED.—An entirely distinct variety. Flowers are single, double and semi-double, of fine form and rich colors. Splendid for borders or the hardy garden. Pkt. 5c.

FINE MIXED.—Good variety. Pkt. 5c; ¼ oz. 25c; oz. 75c.

ICE PLANT

A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with crystals. Peculiarly brilliant in sunshine. Flower white and pink. Pkt. 5c.



HELIOTROPE

A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming.

CALIFORNIA MAMMOTH.—A grand new variety producing immense flowers. Pkt. 10c.

MIXED VARIETIES.—Common sorts. Pkt.5c.

HIBISCUS

Of easiest culture, with large, exceedingly showy blossoms. Hardy annual, 2 feet high.

CRIMSON EYE.—A robust grower; dark red stems and foliage. Flowers often measure 20 inches in circumference, pure white, with large spot of deep velvety crimson in center. It blooms first year from seed and succeeds anywhere. Pkt. 5c.

GOLDEN BOWL.—Bears enormous flowers 5 to 6 in. across, of canary color, with large, black center. Pkt. 5c.

MEHAN'S MALLOW MARVEL.—A magnificent new strain of hardy hibiscus producing wonderful flowers 8 to 10 inches in diameter. Colored from pure white to fiery red. Splendid for permanent planting. Easily grown from seed. Pkt. 10c, ¼ oz. 40c, oz. $1.00.

LINUM

GRANDIFLORUM RUBRUM.—(Scarlet Flax.)—A most showy annual for flower beds and masses ;brilliant, crimson scarlet flowers, 1 inch across, in great profusion. Pkt.5c;¼ oz.15c, oz.50c.

PERENNIAL.—A beautiful hardy perennial sending up numerous stems, clothed with a small, almost hair-like foliage. At tips of branches are noted large blossoms of blue, white and yellow flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

LOBELIA

ERINUS.—A handsome trailing annual with blue flowers. Excellent for vases and hanging baskets. Pkt. 5c.

COMPACTA.—A dwarf variety. Flowdarker hue than above and cover plant; fine for carpet bedding or border. Pkt.10c.



MALLOW MARVEL

LYCHNIS

HAAGEANA MIXED.—Colors range from white through shades of orange, pink and red to deep crimson. Grows 12 to 18 in. Large heads of showy flowers. Pkt. 10c.

CHALCEDONICA.—Old favorite scarlet sort growing 3 ft. Pkt. 5c.

LANTANA

BRAZILIAN BEAUTY.—Specially fine strain consisting of a mixture of choicest flowered sorts. Pkt. 10c.

MIXED COLORS.—Greenhouse perennial. Makes a fine bedding or pot plant; easily grown from seed. Pkt. 5c.



BRAZILIAN BEAUTY LANTANA

LARKSPUR

Flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

AMERICAN BANNER.—Only flower we know which combines the national colors in each flower. About 2 ft. high; is fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

DWARF GERMAN ROCKET.—Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

TALL GERMAN ROCKET.—Mixed. Pkt. 5c, ¼ oz. 15c, oz. 40c.

PERENNIAL LARKSPUR

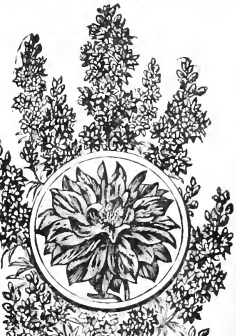
GOLD MEDAL HYBRIDS.—A splendid strain. Immense spikes 2 to 3 ft. with large flowers mostly of light blue shades. Pkt. 10c.

ELATUM HYBRIDUM.—The perennial larkspurs are most showy and useful in permanent plantings, as they produce splendid spikes of flowers all summer. Perfectly hardy, blooms first year if sown early. Mixed colors. Pkt. 5c.

BELLADONNA.—A beautiful blue hardy larkspur always in full bloom from June until frost. Pkt. 10c.

ELATUM FLORE PLENO.—The double flowered, large growing sorts in mixture. Pkt. 15c.

HYBRIDUM NANUM.—Semi-dwarf type of the single flowered perennial larkspurs. Mixed colors. Pkt. 10c.



AMERICAN BANNER LARKSPUR



STRIPED JAPANESE MAIZE

HOME FLORICULTURE

A book for amateur flower growers

FREE TO CUSTOMERS

Tells how to care for field and house plants. A paper bound copy given free if you order $2.00 worth of goods and ask for the book.

STRIPED JAPANESE MAIZE

(Rainbow Corn.)—Offered as a novelty by some seedsmen. An ornamental foliage plant of rapid growth, giving immediate effect, and attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. Variegation does not begin to show until the fourth or fifth leaf, when leaves become striped with broad bands of white, changing soon to narrow stripes of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. Leaves are waxy and gracefully re-curved. Desirable for groups or ribbon beds, or back border to a lawn. Illustration which is shown herewith does not do it justice. Pkt. 5c, oz. 15c.

MIGNONETTE

SWEET SCENTED.—The fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow seed early in garden and they will commence blooming the first of June. Pkt. 5c; oz. 15c.

GOLIATH.—Foliage rich green, flowers brighter red color than any other sort. Immense spikes. Splendid variety of sweet fragrance. Pkt. 10c; ¼ oz. 25c; oz. 75c.

ALLEN'S DEFIANCE.—Valuable variety with mammoth spikes 12 to 15 inches long, more fragrant than any other. Florets of immense size and the cut flower frequently keeps three weeks. Pkt. 10c; ¼ oz. 20c; oz. 60c.

MACHET.—Makes a pretty and fragrant pot plant. Distinct variety of great merit. Vigorous dwarf growth; very large spikes of deliciously scented red flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.



MACHET MIGNONETTE

MARIGOLD

Marigolds have for many years been a general favorite for planting in mixed beds and informal gardens, as they produce such great numbers of brilliant colored flowers that they are always a bright spot wherever planted.

AFRICAN.—This old favorite has been greatly improved in size and doubleness of its flowers. Double mixed. Pkt. 5c; ¼ oz. 10c; oz. 30c.

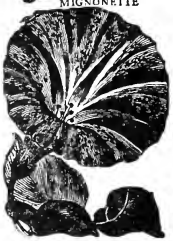
DWARF FRENCH.—Double, mixed colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

LEMON QUEEN.—A charming new variety producing large bell-shaped flowers of clear lemon or canary yellow color, making them closely resemble large double yellow dahlias, only produced more abundantly on longer stems. It blooms early and continuously. Pkt. 5c.

ELDORADO.—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.



MIMULUS TIGRINUS



BUSH MORNING GLORY



ELDORADO MARIGOLD

MIMULUS

TIGRINUS.—(Monkey Flower.)—There are a wide range of colors in Mimulus Tigrinus. They are spotted scarlet, crimson and pink on yellow or white grounds and offer striking contrasts that are sure to please. Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed sorts. Pkt. 10c.

MOSCHATUS.—Well known musk plant; quite pretty, and has a strong musk fragrance. If better known this we are sure would be more grown as the odor is pleasant and it is nice for pot culture. Pkt. 5c.

BUSH MORNING GLORY

A decidedly showy, dwarf-growing, spreading sort, bearing a profusion of the most richly colored, striped, blotched and variegated flowers about as large as a silver dollar. Bloom throughout the season, are easily grown and most satisfactory flowers for borders or growing in masses. Many choice varieties mixed. Pkt. 5c; oz. 20c.

MYOSOTIS, OR FORGET-ME-NOT

The dainty little blue Forget-Me-Not is always appreciated. Just to see their modest loveliness makes the day brighter and turns our thoughts to pleasant channels.

PALUSTRIS.—True Forget-Me-Not. A perennial. Blooms first year from seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 5c.

VICTORIA.—The best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Per pkt. 5c.



NICOTIANA

NICOTIANA

AFFINIS.—Plant is covered with large, white, star-shaped flowers which, after being cut, will remain perfect for a week. A few plants will perfume the whole garden. Pkt. 5c.

SANDERAE HYBRIDS.—Beautiful rosy carmine color and blooms freely. These new hybrids have also various shades of purple, pink, red, salmon, violet and white. Grows about 2 feet high, branches freely and loaded with flowers open all day. Sow seeds early in the house and transplant in May to open ground. Mixed colors. Pkt. 10c.



MISS JEKYLL NIGELLA

NIGELLA (Love in the Mist)

MIXED COLORS.—Hardy annuals about 1 ft. high; fine cut leaves and handsome flowers. Blooms early. A very pretty flower. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate foliage. Pkt. 5c; ¼ oz. 10c; oz. 25c.

MISS JEKYLL.—A large and profusely blooming variety with bright sky-blue flowers and fine fern-like foliage. Taller than most kinds. Pkt. 10c, ¼ oz. 20c; oz. 60c.

OENOTHERA (Evening Primrose)

Blossoms fully expand only toward and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

NASTURTIUMS



KALEIDOSCOPE

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. The following are the best varieties:

AURORA.—A magnificent variety. Plant forms a perfect globe literally covered with flowers, hiding the foliage when in full bloom. Deep chrome yellow, lower petals blotched with purplish carmine; finely marked with bright carmine veining. Pkt. 5c, oz. 15c.

BEAUTY.—An extra fine dwarf variety. Handsome scarlet flowers splashed with canary yellow. One of the most attractive. Pkt. 5c, oz. 10c.

CHAMELEON.—The flowers of this new Tom Thumb nasturtium are colored crimson, gold and bronze, bordered and flamed, changing hue almost daily, hence named "Chameleon. Pkt. 5c, oz. 15c.

EMPRESS OF INDIA.—Dwarf, bushy habit, the leaves a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers. Its profusion of bloom and richness of color are remarkable. Pkt. 5c, oz. 15c.

GOLDEN QUEEN.—Foliage of clear, bright yellow color. It is of dwarf, compact habit; flowers yellow. Pkt. 5c, oz. 15c.

KING THEODORE.—Darkest color in nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

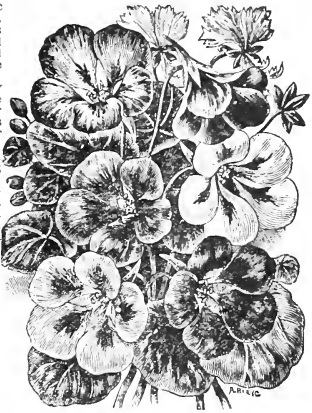
LADYBIRD.—Dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with bright ruby crimson. A most lovely blossom. Pkt. 5c, oz. 10c.

PEARL.—Charming dwarf white sort. Pkt. 5c, oz. 10c.

PRINCE HENRY.—A beautiful flower of light yellow, marbled and striped with bright scarlet. Pkt. 5c, oz. 20c.

IMPERIAL MIXED.—Includes about twenty of the best dwarf varieties, both American and foreign. They are so selected that the colors harmonize beautifully and delight flower lovers. Of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 15c, ¼ lb. 50c.

DWARF LILIPUT.—Distinct new strain of very dwarf, compact growth that originated from the tall Trapoeolum Lobianum. Of smaller size than the well-known Tom Thumb nasturtium, closely compact in form, while the flowers and rounded, light green leaves are smaller in size. Flowers show many new and beautiful colors. Pkt. 5c, oz. 20c.



IMPERIAL MIXED

DWARF VARIEGATED LEAVED.—A splendid new type of dwarf nasturtium offered as presenting the most varied and divergent coloring. Not only are the flowers of the many shades and brilliant hues of the ordinary sorts but the foliage by the mottled and striped markings of green, white and golden yellow, afford an additional range of beauty. Pkt. 10c, oz. 20c.

IVY LEAVED DWARF MIXED.—Charming new type of nasturtium differing in foliage from the ordinary kinds, but retaining the same gorgeous coloring and profusion of bloom. Pkt. 5c, oz. 20c.

GOLDEN BLOTCHED.—Unique and beautiful foliage, the green leaves being blotched with bright golden yellow in such manner as to present a pleasing and attractive appearance. Pkt. 5c, oz. 10c.

GOLDEN MIXED.—A mixture of many shades and markings of the yellow leaved varieties, offering a harmonious blending of bright colors. Pkt. 5c, oz. 10c.

DWARF VARIETIES MIXED.—A nice mixture of colors of this free blooming class. We grow large quantities and can make a low price. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

SPECIAL NASTURTIUM OFFER

16 DWARF KINDS

One pkt. of each of dwarf sorts named in above list for 60 cents, postpaid.

11 CLIMBING KINDS

One pkt. of each of climbing sorts named in list below for 45 cents, postpaid.



CAPRICE

CLIMBING NASTURTIUMS

MADAM GUNTER'S HYBRIDS.—Climbers and free, continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to deepest brown and maroon—nearly all striped, all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 15c, ¼ lb. 45c.

JUPITER OR SUNLIGHT.—Attracts instant attention. The flowers measure 3¼ to 3½ inches in diameter, the petals 1¼ inches across. Blossoms have a most beautiful crinkled, crepe-like look; color is a splendid, rich, brilliant yellow. Pkt. 5c, oz. 15c.

NAPOLEON III.—Beautiful climbing variety with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 15c.

LOBB'S NASTURTIUM.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height, rapid growth. All best named sorts, mixed. Pkt. 5c, oz. 15c.

TALL VARIEGATED LEAVED.—Each leaf variegated in a striking manner and this variegated foliage in contrast with the many different shades and markings of the flowers produces bewildering beauty of mingled colors that will delight the eye. Mixed colors. Pkt. 5c, oz. 15c.

TALL VARIETIES MIXED.—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

KALEIDOSCOPE.—Some are of clear yellow, orange, pink and creamy white, others are blotched, striped or bordered with rich contrasting shades. Of strong, vigorous growth; can be grown on the ground or trained upon a trellis. Specially suited for growing over low stumps, fences or rockery. Produces immense number of flowers. Pkt. 10c, oz. 30c.

CAPRICE.—A charming novelty; flowers changeable colors, a single plant often showing a dozen different colors or markings. Pkt. 10c, oz. 35c.

KING OF THE BLACKS.—A very handsome climbing sort with flowers of very rich dark brown, almost black. Pkt. 5c, oz. 15c.

IVY LEAVED PERFECTION.—This unique and most beautiful climbing nasturtium is different from others in foliage and flowers. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 5c, oz. 15c.

SPITFIRE.—A most brilliant new variety of bright cardinal red. Most glowing color. Pkt. 5c, oz. 15c.



MADAM GUNTER'S HYBRIDS

LOVELY PANSIES

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Circular giving full directions for growing pansies sent free if requested. Packets contain 100 to 250 seeds.

PRETTIOSA.—Offered as our greatest flower seed item for this year. See description and illustration on back cover. Pkt. 20c.

FANCY STRIPED.—(No. 1.)—A beautiful variety from Belgium, with good sized flowers, striped and mottled in various tints on contrasting ground colors. Pkt. 15c.

IMPERIAL GERMAN MIXED.—(No. 2)—Magnificent flowers of richest hues, one of our most popular sorts and of high standard of excellence. Pkt. 10c ¼ oz., $1, oz. $3.50.

ELITE MIXED.—(No. 3.)—A new strain of giant flowered pansies containing the widest variation in striking colors and markings. Pkt. 20c.

NEW RAINBOW.—(No. 4.)—The best novelty in pansies and the most charming variety ever sent out. We consider the name appropriate owing to its beautiful iridescent colors. In a good-sized bed are a hundred different varieties but not a poor one nor an inferior. Flowers of large size and perfect in form, nearly circular and have a rich, velvety appearance; will delight "pansy fanciers." Pkt. 20c; ¼ oz. $4.00; oz. $12.00

MAMMOTH BUTTERFLY.—(No. 5.)—A pansy of matchless forms, colors and markings with flowers half as large again as ordinary pansies. Pkt. 10c.

AMERICAN GIANT.—(No. 6.)—A prominent pansy specialist in years of careful, painstaking labor in hybridizing and selecting a strain of pansies which would be superior to any in existence, has produced this extraordinarily fine strain which is of such strong, robust, luxuriant growth and produces such magnificent immense flowers, almost a superior race of pansies. Comprise practically all shades, colors and markings known in pansies including the Giant Bugnots, Cassier's and the large-flowered sorts from France, Germany, England, Holland and other countries. Also a strain of curled and ruffled pansies which appear double. Pkt. 15c, ¼ oz. $2.50, oz. $8.00.

FINE MIXED.—Consists of many good sorts. Pkt. 5c, ¼ oz. 35c, oz. $1.00.



AN ATTRACTIVE OFFER

An opportunity to procure the choicest types of pansies separately, or if you mix them yourself you are assured of the very widest range.

One packet each of the 8 illustrated mixtures, the finest assortment ever offered, 90c.

MASTERPIECE.—(No. 7.)—(Also offered under the names Superbissima and Germania.)—This superb new pansy is distinct from all others in form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. Flowers very large. Pkt. 10c.

INTERNATIONAL MIXTURE.—(No. 8.)—Is a mixture consisting of a grand assortment from the world's leading specialists in Scotland, France, Belgium, Germany, Switzerland and America. If you like pansies you must have the International Mixture Pkt. 15c, ½ oz. $3.00, oz. $10.

CASSIER'S GIANT ODIER.—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers are of good substance and fine form, of most compact growth. Pkt. 15c.

GIANT TRIMARDEAU.—Flowers of very large size, some have measured 4 inches in diameter. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c.

ENGLISH FACE.—A popular variety in England. Many of the flowers distinctly marked with a "face." Mixed. Per pkt. 10c.

VIOLET SCENTED, or Tufted Pansies.—A cross between the pansy and violet, with the delicious fragrance of the latter; mixed colors. Pkt. 10c.

NAMED VARIETIES OF GIANT PANSIES

The varieties listed below are all of the giant flowered type; will produce fine blooms. They are splendid for pattern beds and borders or for massing.

AZURE BLUE.—A very fine shade of sky-blue. Pkt. 5c.

FIRE KING.—Very distinct and striking. Upper petals of bright red, of really a fiery shade, warranting the name. Pkt. 10c.

GOLDEN YELLOW.—Best of yellow varieties. Fine as a contrast. Pkt. 5c.

KING OF BLACKS, or Faust.—Flowers very dark, almost black. Pkt. 5c.

LORD BEACONSFIELD.—Fine large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

MAHOGANY.—A beautiful, rich, mottled mahogany color. Pkt. 5c.

PEACOCK.—Named Peacock because upper petals of flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultra-marine blue. Petals edged with a thin white line, within which is purplish crimson passing into a rich central blotch of blue, shading to black. Pkt. 10c.

QUADRICOLOR, or Pheasant's Eye.—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

STRONG AND VIGOROUS PANSY PLANTS OF CHOICEST LARGE-FLOWERED MIXTURES, ON PAGE 108

SPLENDID PETUNIAS

No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; are easily cultivated, requiring rich soil and a sunny situation. Of late the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. Double varieties require care and should be started in the house.

EMPEROR.—The largest petunias in the list. Monstrous flowers fully five inches in diameter of the bell, and of unsurpassed colors and markings. Very fine for massing or sowing in wild borders. Pkt. 15c.

GIANT FANCY FLOWERED.—A grand new strain and the finest selection of petunia in existence, of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on edges, and of enormous dimensions (4 to 5 in. across), unlimited varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of carmine yellow, white, black, green or maroon, running off into intricate veins. Some colors are rich and gorgeous, others are of lovely delicate shades. If you like beautiful petunias be sure to include this in your order. Produces very little seed and will always be high in price. Worth double its weight in gold. Pkt. 25c.

DOUBLE INIMITABLE.—Splendid mixture. Our seed is the best German grown, and will produce about 25 per cent of fine double flowering plants. Pkt. 25c.

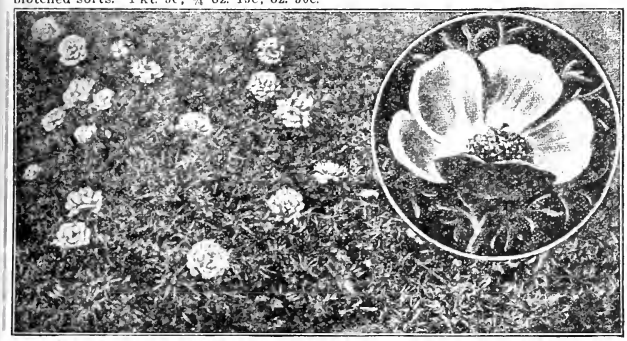
LITTLE PET.—(Howard's Star)—One of the prettiest little flowers we saw in the thousands of acres of flowers in Germany, France and other countries of Europe were these small flowered, compact growing, free blooming petunias. Round, bushy little plants about 8 in. high, covered for months with beautiful flowers which are widely open and always look fresh, bright and beautiful that the ladies "just love them." Most of the flowers have a distinct five-pointed star in the center and they are of a great variety of colors. Pkt. 10c.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, marked and fringed. Per pkt. of 200 seeds 10c.

FINE MIXED.—Best of older varieties. Extra fine striped and blotched sorts. Pkt. 5c; ¼ oz. 15c; oz. 50c.



FANCY FLOWERED PETUNIA



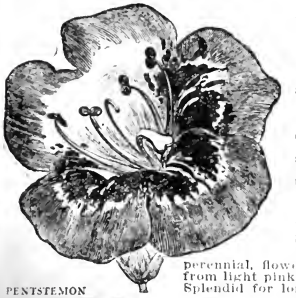
PLANT OF DOUBLE PORTULACCA

FLOWER OF SINGLE PORTULACCA

BRILLIANT COLORED PORTULACA

DOUBLE MIXED.—This old favorite is one of the brightest blossoms in the entire list and makes a lovely little plant to cover up the bare spots in beds of taller growing plants. The flowers are double as a rose, brilliant with many shades of color, white, yellow, crimson, scarlet, pink and all blooming at mid-day and of afternoons. The dainty blossoms are splendid to add the little touch of color among the fruits on the dinner table. Pkt. 10c; ¼ oz. 50c.

GRANDIFLORA SINGLE MIXED.—An old favorite sometimes known as rose moss. It forms a brilliant, striking bed of color on bright sunny days, and blooms brightest in the mid-day hours when other flowers are drooping. Very dwarf, low-growing plants, forming a mat on the ground. We offer a splendid mixture. Pkt. 5c; ¼ oz. 15c; oz. 50c.



PENTSTEMON

PENTSTEMON

FINEST MIXED.—Hardy perennial; sown early will bloom first year. Graceful growth; many spikes of Gloxinia-like flowers 2 ins. across; crimson, white, rose, purple, etc., beautifully edged and marked, blooms June to October. Give rich soil and good culture. Pkt. 10c.

PYRETHRUM

GOLDEN FEATHER.—Beautiful golden-leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

ROSEUM HYBRIDUM.—Large flowering perennial, flowers resembling cosmos and varying in colors from light pink to deep red with large yellow center in each. Splendid for long-keeping cut flowers. Pkt. 10c.

PALMS

These for centuries past have been exclusively for the rich, the plants usually selling at $3.00 to $100.00 each. It is now known, however, that they are easy to grow from seed, directions printed on packets.

PHOENIX DACTYLIFERA.—Native of northern Africa; beautiful for pot culture, and very hardy. This palm produces the date of commerce. Pkt. of 10 seeds 5c.

WASHINGTONIA FILIFERA.—It stands dust, dry air and lack of sunshine. Its fan-shaped leaves frinzed with long thread-like filaments. Pkt. of 12 seeds 5c.

UMBRELLA PALM.—(Cyperus)—See description with aquatic plants. Pkt. of 100 seeds 10c.

LATANIA BORBONICA.—This is the typical palm, is more largely used than any other; of strong and healthy habits; very desirable for house culture. Pkt. 6 seeds 10c.

CHAMAEROPS EXCELSA.—One of the very best plants for house culture in cool climates, and standing ill usage remarkably well. Pkt. of 10 seeds 10c.

BANANA PALM.—(Musa Ensete)—The leaves very long and broad; green, with crimson midrib. Pkt. of 3 seeds 10c.

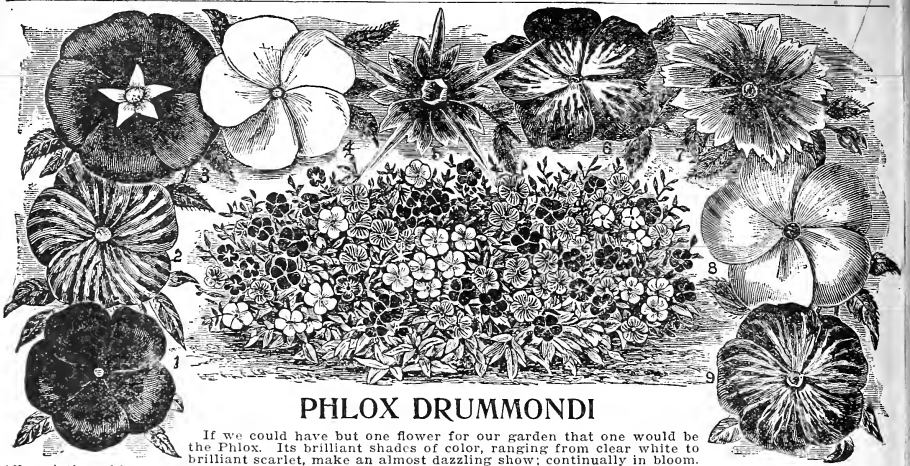
SPECIAL GRAND OFFER.

One packet of each of the six elegant varieties of Palms mentioned above only 35c.



LATANIA BORBONICA PALM

SPECIAL OFFER ON PALMS, PAGE 106. DOUBLE PETUNIA PLANTS, PAGE 107



PHLOX DRUMMONDI

If we could have but one flower for our garden that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet, make an almost dazzling show; continually in bloom. All varieties which we offer, except the common mixed, are of the large-flowering grandiflora class.

FIRE BALL.—Brilliant, dazzling scarlet; very handsome dwarf; compact. Pkt. 5c; ¼ oz. 35c; oz. $1.25.

GRANDIFLORA ALBA.—Pure white, very large flowers, constantly in bloom. Pkt. 5c; ¼ oz. 30c; oz. $1.00.

GOLDEN JUBILEE.—Entirely new color in Phlox, bright yellow; flowers nearly size of $20 gold coin. Pkt. 5c.

CUSPIDATA OR STAR.—Petals run out in little spines, giving the flowers a beautiful effect. Many colors. Pkt. 5c.

FRINGED MIXED.—Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 5c.

MIXED VARIETIES.—Mixtures of common sorts. Pkt. 5c; ¼ oz. 20c; oz. 60c.

PERENNIAL MIXED.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

GRANDIFLORA MIXED.—Large-flowering strains chosen with great care for many years; ideal flower of immense size and beauty unsurpassed. Colors from white to nearly black, including pink, red, violet, crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner. Pkt. 5c; ¼ oz. 30c; oz. $1.00.

DOUBLE PEARL.—We have it so that almost every plant produces handsome, double, pure white flowers. It is very pretty; a splendid acquisition for bouquets. Pkt. 10c.

DOUBLE MIXED.—A mixture of double flowering sorts, equal in range of color and beauty to our Grandiflora strain. Especially desirable for cut flowers as they are more lasting than the ordinary grandiflora type. Preferred by many because of double florets. Pkt. 10c.

PRIMROSE

CHINESE.—Desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border will bloom nearly all summer. Though perennial, new plants will flower more freely, and seed should be sown every year. Start under glass. Mixed colors. Pkt. 15c.

FORBESI.—(Baby Primrose.)—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during winter. Pkt. 10c.

OBCONICA.—(Everblooming Primrose.)—A favorite on account of its great blooming qualities, flowering nearly all the year through. Mixed colors. Pkt. 10c.

POPPIES

This grand old flower has kept pace with the march of improvement and now surprises us with its new forms, new sizes and new colors.

ROSY MORN.—Is really superb. Flowers are extremely double and of good size, forming perfect balls of unique and beautiful shade of rose—a new and distinct color in poppies; of easiest possible culture, belonging to the annual pacony flowered section. Pkt. 10c.

SHIRLEY.—(Lady Poppies)—A new single. In color from the purest white through the most delicate shades of rose, pink and carmine to the deepest crimson. Pkt. 5c; ¼ oz. 10c; oz. 30c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be popular. Pkt. 5c.

DOUBLE CARNATION.—Splendid assortment of best double carnation flowered sorts. The most popular variety and will make attractive bed. Pkt. 5c; ¼ oz. 10c; oz. 20c.

SANTA ROSA MIXED.—Improved from Shirley poppy; unusually large flowers of remarkably clear colors, including new striped salmon and blush shades. Petals beautifully crumpled. Pkt. 5c; ¼ oz. 15c; oz. 50c.

PAEONY FLOWERED.—Is a robust variety growing about 2 ft. high; bears very large flowers, round, smooth, double, and of exceding brilliancy. Mixed colors. Pkt. 5c.

ANNUAL VARIETIES MIXED.—Single and double. Pkt. 5c; ¼ oz. 10c; oz. 20c.



PERENNIAL POPPIES

ORIENTAL HYBRIDS.—For brilliancy of color, nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter; colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Perfectly hardy perennials, living through winter with but little protection, increasing in size and beauty every year. Pkt. 10c.

ICELAND.—Flowers the first year from seed. Colors from purest white to deepest orange scarlet; delicious fragrance. Pkt. 10c.



SANTA ROSA POPPIES

PLANTS OF PERENNIAL PHLOX, FOR PERMANENT PLANTING, ARE OFFERED ON PAGE 128



RICINUS CAMBODGIENSIS

RICINUS

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; fine for clumps or ornamental hedges. Said to keep out moles.

CAMBODGENSIS.—A beautiful plant growing to a height of 8 feet, of most stately, majestic, tropical appearance. Has large palm-like leaves of darkest reddish maroon, covered with a bright bronzy luster, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. Seed pods fiery red. Unexcelled as a decorative plant for lawn. Pkt. 5c; oz. 20c.

ZANZIBARENSIS.—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c; oz. 15c.



SANGUINUS TRICOLOR.—Blood red stalk; very attractive, especially stately in appearance, giving tropical effect in clumps or screens. Pkt. 5c; oz. 15c.

MIXED VARIETIES.—Mixtures of the above and many other choice varieties. Pkt. 5c, oz. 10c.

COMMON.—The ordinary Castor Bean of commerce. Pkt. 5c, oz. 10c, lb. 50c.

FAIRY ROSES

These remarkably beautiful little roses are very easily grown from seed. The roses are only about an inch across, usually semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable, these Fairy Roses grow only 10 to 15 in. high, commence blooming a few weeks after seed is sown and continue from May until frost. Nice for pot plants for winter blooming. Pkt. 10c.

SCABIOSA

LARGE FLOWERED MIXED.—One of our handsomest border plants, producing in great profusion very double flowers in a variety of shades and colors; splendid for table bouquets, etc.; rapidly becoming popular because of striking beauty in form and color. Pkt. 5c; ¼ oz. 15c; oz. 40c.

SENSITIVE PLANT

Very pretty and curious plant, its leaves closing when touched. The seeds start slow and it is best to start them in boxes; cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children. Pkt. 5c.

SHASTA DAISY

ALASKA.—One of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. Can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and borne on single, stiff, wiry stems nearly two feet long. Pkt. 10c.

SHELL FLOWER

Robust and easily grown, 2 to 3 feet high, sending up a strong central stem with numerous branches, each surrounded by flowers. Strong fragrance of balm when cut. Pkt. 10c.



FAIRY ROSES

SCABIOSA



MRS. C. N. PAGE SALVIA

SALPIGLOSSIS

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, bearing through the season large flowers 3 to 4 inches across; many beautiful colors. Sometimes called Painted Tube Tongue.

NEW VARIVEINED GRANDIFLORA.—Much larger than the common. Surface is soft and velvety and wealth of color marvelous, ranging from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between beautifully veined and mottled. Blooms all summer and till frost. Pkt. 10c.

CHOICE MIXED.—A splendid range of color. Pkt. 5c; ¼ oz. 20c; oz. 60c.

SALVIA

SPLENDENS.—One of the most brilliant of flowers; it thrives in any light, rich soil; often called flowering sage. Free bloomers. Brilliant scarlet. Is very fine. One of the most satisfactory of all bedding plants. Pkt. 5c; ¼ oz. 50c.

MRS. C. N. PAGE.—Dwarf, free blooming sort. Much earlier than Splendens; brighter color. Nothing makes such a brilliant show as a bed of Salvia; is specially fine for bordering canna beds. Introduced by us. Pkt. 15c; ¼ oz. $1.00.

STOCKS

Sometimes called Gilliflowers. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. Give good rich soil. They will reward good treatment with remarkable pyramids of bloom.

PERPETUAL WHITE.—(Princess Alice or Cut and Come Again.)—Strong growth, of fine branching habit, and if sown early will bloom from May to November. Flowers very large and pure white; the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

PERPETUAL MIXED.—A mixture of colors of the continuous blooming types of perpetual stocks. Sown in March or April they begin flowering in July and continue until frost. Especially fine in September and October when other flowers are scarce. Flowers double and very fragrant. A splendid selection of seeds of the choicest strains. Pkt. 10c.

LARGE FLOWERING DWARF GERMAN.—Most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c; ¼ oz. 35c; oz. $1.00.



SHASTA DAISY



PERPETUAL WHITE STOCKS



SWEET WILLIAM

SINGLE MIXED.—Hardy plants one foot high, of extreme richness and variety of color, and deliciously sweet-scented; for clumps or borders unsurpassed. Our mixture is the large flowered and contains beautiful colors and markings. Pkt. 5c; ¼ oz. 10c; oz. 25c.

DOUBLE MIXED.—Grows same as preceding, but the florets are densely double and full centered. While beautiful, are not as popular as single-flowered. Pkt. 5c; ¼ oz. 20c; oz. 60c.

VIOLA

ODORATA.—The sweet violet so generally popular. All colors mixed; seeds start slowly. Pkt. 10c.

ZINNIA

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied and range from pure white to deep purplish crimson. Fine for hedges, beds or borders.

PIGMY OR LILIPUT.—This strain is the acme of beauty and perfection in Zinnias. Plants are small and of bushy growth, each one bearing scores of beautiful little blossoms of most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermillion. These charming little Zinnias are gems indeed and should be in every garden. Mixed colors. Pkt. 10c

ROBUSTA GRANDIFLORA.—Given its name because of strong growth and large flowers. Grows 3 ft. high and produces flowers 5 in. across. Mixed colors. Pkt. 10c.

CURLED AND CRESTED.—A most unique and charming sort with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers are large, double, and peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 5c.

NEW ZEBRA.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

SPLENDOR. — This splendid strain of Zinnia is grown on our Altoona farms with special care. The finest colors and most splendid blooms and plants we have seen. Pkt. 10c; ¼ oz. 25c; oz. 60c.

FINEST DOUBLE MIXED.—Pkt. 5c; ¼ oz. 15c; oz. 50c.

SUNFLOWER

Some varieties of this well known plant are very ornamental, and effective in shrubbery borders or as screens.

GLOBE OF GOLD.—Dwarf, well branched plant growing about 3 feet high, each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. Easily grown. Handsome, symmetrical, effective on lawns or garden. Pkt. 5c; oz. 15c.

PILLAR OF GOLD.—A novelty which originated on our own farms. It is a beautiful new double sunflower, growing about 4 feet high. Flowers borne on very short branching stems and are held closely to the main stalk, in such profusion that when in full bloom very little of the foliage is noticeable and at a short distance it seems a pillar of bright golden yellow. It is, in our opinion, the best decorative sunflower yet produced, and if planted in masses or rows will draw attention by the flaming glow of color. Pkt. 10c; oz. 25c.

EXCELSIOR BRANCHING.—This new plant, known as H. Cucumerifolius Grandiflorus, has a single flower about 5 inches across producing a pyramid of bloom. Pkt. 5c.

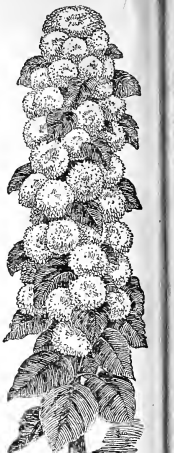
SILVER LEAVED.—Few would imagine it a sunflower. Grows 3 or 4 feet high, forming a perfect pyramid. Leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. Flowers golden yellow, 3 to 4 in. across, small, dark brown centers. Pkt. 5c.

BABY.—(Helianthus Perkeo.)—Is less than two feet high, loaded at all times with lovely Cosmos-like blossoms, of perfect shape and wide spreading petals. Rich, deep yellow with black center. Pkt. 5c.

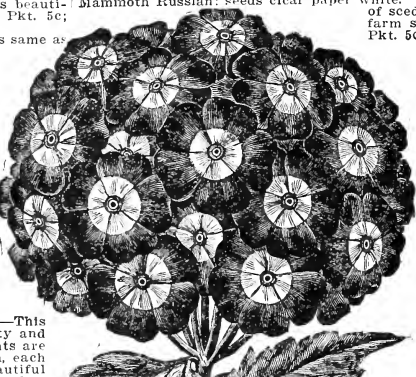
PEERLESS MIXED.—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some both curious and desirable. Pkt. 5c; oz. 15c.

MAMMOTH RUSSIAN.—Largest of all, showy and most profitable to grow for feeding purposes. Oz. pkt. 5c; lb. 25c.

WHITE BEAUTY.—A sunflower growing as large as the Mammoth Russian: seeds clear paper white. Very productive of seed. Also listed in farm seed department. Pkt. 5c; oz. 10c.



PILLAR OF GOLD SUNFLOWER



NEW CENTURY MAMMOTH VERBENA



PIGMY ZINNIA

TORENIA

FOURNIERI.—These are beautiful free flowering trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant; not hardy. Pkt. 10c.

VERBENA

Deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Plant in boxes, or under glass in March, and transplant when a few inches high. In this way they can be grown from seed as early as any annual.

NEW CENTURY MAMMOTH.—The most beautiful colors, largest flowers and largest truss, and will please everyone. Well grown flower truss measures over 9 inches in circumference while single florets are as large as a twenty-five cent piece; more vigorous growing than the ordinary Verbena. Contains a great assortment of colors, illustration showing dark scarlet flower with white eye. Pkt. 10c; ¼ oz. 35c; oz. $1.00.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 5c; ⅛ oz. 25c; oz. 60c.

BLUE MIXED.—Desirable. Blue, purple and lavender sorts. Pkt. 5c; ¼ oz. 25c; oz. 60c.

DEFIANCE.—A true scarlet; large and extra fine. Pkt. 10c; ¼ oz. 35c; oz. $1.00.

CHOICE MIXED.—From the finest German collection of named sorts. Pkt. 5c; ¼ oz. 20c; oz. 60c.

ERINOIDES.—(Moss Verbena)—A beautiful variety which produces a mass of moss like foliage. It is low growing, spreading over the ground. The blossoms are purplish blue and are borne well above the foliage. Free flowering from June until frost. Pkt. 10c.

LEMON.—(Aloysia Citriodora.)—The popular plant prized for its sweet-scented leaves which retain their fragrance when dried and are therefore doubly useful. Pkt. 10c.

WALLFLOWER

Greatly prized for their exquisite fragrance. Grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce abundance of delightfully fragrant flowers of many colors.

DOUBLE VARIETIES MIXED.—Pkt. 10c.

SINGLE MIXED.—Best single and semi-double sorts. Pkt. 5c.

EARLY FLOWERING MIXED.—Flowers early the first season. Per pkt. 5c.

THERE ARE SPLENDID POSSIBILITIES IN OUR NEW VARIETIES OF SUNFLOWERS FOR MASSING

EVERLASTINGS AND GRASSES

These are very attractive for winter decoration as they are of yellow, center and throat splotched orange. Each 15c; doz. $1.50. rich brilliant colors and are fine for winter bouquets. Cut when in full bloom, tie in small bunches and hang, heads downward, to dry.



MONSTER HELICHEYSUM.

AMOBIUM.—Alatum Grandiflorum.—A pretty everlasting, double white flower. Pkt. 5c.

ACROCLINIUM.—Mixed Colors.—An everlasting of fine form, growing about two feet high and producing large double flowers which when dried retain their form and beauty for a long time. Shades of pink to white. Pkt. 5c; oz. 20c.

GLOBE AMARANTH.—(Gomphrena)—**Mixed Colors.** Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers; if cut when well matured, retain their beauty during winter. Colors purple, white, lesh, orange and striped. Pkt. 5c; ¼ oz. 10c; oz. 25c.

GOLD AND SILVER FLOWER.—(Polycalma)—Silvery white flower with golden center. Illustrated and more fully described on page 70. Pkt. 10c.

HELICHRYSUM.—Monster Mixed.—A very pretty and popular hardy annual bearing large double flowers of different shades and colors, ranging from white to yellow, rich red, scarlet. Best everlastings, as they retain their form and color for many months, and are particularly useful in winter decoration. Pkt. 5c; ¼ oz. 15c; oz. 50c.



GLOBE AMARANTH.

JOB'S TEARS.—An ornamental grass known botanically as Coix Laehryma. Grows 2 to 3 feet high, with broad, corn-like leaves. Pkt. 5c; oz. 15c.



RODANTHE.

JOB'S TEARS FOR FANCY WORK.—We also offer choice seeds of glossy pearl color, a special variety, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination. Oz. 10c; ¼ lb. 35c; lb. 75c; 5 lbs. by express, not prepaid, for $2.50.

PENNISTEUM. — Rueppellanum. — A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.

RHODANTHE.—Mixed Colors.—One of the finest and most beautiful of flowers; are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Pkt. 5c.

STATICE.—(Sea Lavender) — Immense panicles of small blue flowers sometimes more than a foot in diameter. Grows 12 to 18 in. high with thick, heavy foliage. Flowers are very lasting if properly dried and are very striking in winter bouquets. Pkt. 10c.

XERANTHEMUM.—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.



MIXED GRASSES.

SPECIAL MIXTURES IN FLOWER SEEDS

Carefully Prepared from our own Formulas for Splendid Effects in the Informal Garden

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening while some are also suitable for cutting. Pkt. 10c; ¼ oz. 25c; oz. 75c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c; ¼ oz. 25c; oz. 75c.

WILD GARDEN MIXTURE.—Over 400 kinds of such flower seeds as are suitable to be planted together, altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities of growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, plant in this latitude about the first of May. Pkt. 5c; ¼ oz. 10c; oz. 25c.

MIXED BIENNIALS AND PERENNIALS.—About fifty varieties. Every garden should contain a good assortment and it will be easily obtained in this way. Pkt.10c; ¼ oz.25c; oz.75c.

MIXED EVERLASTINGS.—Grand assortment of everlasting flowers, suitable for bouquets, etc. Pkt.10c, ¼ oz.25c; oz.75c.

LOW GROWING ANNUALS.—This mixture contains seed of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 5c; ¼ oz. 15c; oz. 40c.



FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefor from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seed of most varieties, but instead of listing them in catalogue separately at 10c to 25c per pkt., we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt.; 3 for 25c.

LAWN FLOWER MIXTURE.—A special mixture of low growing flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Pkt. 10c; oz. 25c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the Everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c; ¼ oz. 10c; oz. 30c.

ORCHID FLOWERED SWEET PEAS

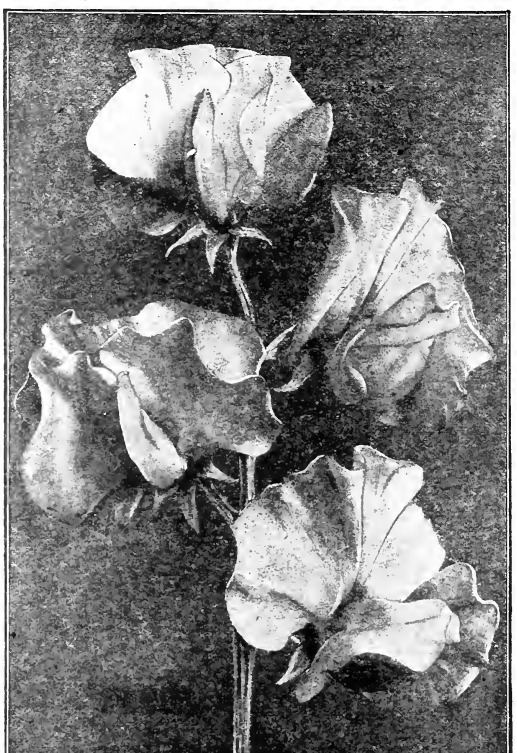
This is the latest and most lovely type of sweet peas, originating in England a few years ago with the original variety now called Countess Spencer, and which have developed new colors and markings each succeeding season so that we now have quite a range of color in this type, though not quite so varied or brilliant as the grandiflora or giant-flowered type which we offer on the next page. The distinguishing characteristics of the Spencer type is the wavy, orchid-like appearance of the blossoms. They are stronger, more robust in growth, with extra large flowers of exquisite, delicate beauty. We offer only a few of the many varieties in existence, choosing those which have become fixed in form and color and which will reproduce without deviation. It will be noted, however, that with only a few varieties we offer you a beautiful display of varied colors. We have in our selections of the Spencer varieties followed our rule of accepting only such as will give satisfactory results, believing it to be better to offer a few chosen sorts, than an indiscriminate list for the sake of following a fad, or introducing a "novelty." Crops of sweet peas all over the world are almost a total failure this year and our prices should really be much higher. We will, however, protect our customers so long as our stock lasts.

KING EDWARD SPENCER.—A bright and most attractive flower. Color of wings and standard carmine scarlet, with reverse of wings a rosy carmine, make a rich and strikingly handsome blossom. The wings are unusually large and give the flower immense size. When to the bright color and large size are added the grace of frilled, waved and crinkled appearance the combination produced is most beautiful. Easily the brightest and most attractive of the new Spencer class, and a blossom of unequalled beauty. Sturdy and vigorous grower, producing three and four fine flowers on each stem. Pkt. 10c, oz. 35c, ¼ lb. $1.25.

OTHELLO SPENCER.—In color is similar to the Othello of the large-flowered type, but has the true Spencer form and will appeal to lovers of dark colored blossoms, and cannot fail to attract the eye in any collection of sweet peas. Stems are long, strong, and carry three or four fine blossoms of deep, rich maroon. A strong, vigorous grower. Pkt. 10c, oz. 35c, ¼ lb. $1.25.

WHITE SPENCER.—(See illustration on this page.)—One of the finest types of the Spencer class. Flowers deeply waved and curled. Color pure white, form and color producing an effect altogether lovely. Very vigorous and strong, with stiff, upright stems bearing three or four blossoms on each. Of great substance and retain their freshness and purity after being cut. Pkt. 10c, oz. 30c, ¼ lb. $1.00.

PRIMROSE SPENCER—This is a very fine, large blossom of rich, deep cream or primrose yellow throughout; both standard and wings being of solid color without trace of shading. Is undoubtedly the richest coloring and finest quality of primrose shade. Will please any lover of delicate and dainty flowers. Equally as finely waved as the other Spencers and of strong, robust character. Pkt. 10c, oz. 35c, ¼ lb. $1.25.



WHITE SPENCER SWEET PEAS

COUNTESS SPENCER.—This is the original Spencer. It is truly a gigantic variety of finest form and coloring. The standard and wings are broad and well spread, beautifully waved and frilled, and sometimes fully two inches across. The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer and more heavily suffused in cool weather. In size, form and coloring Countess Spencer is simply exquisite and beyond the power of words to describe. Pkt. 10c, oz. 35c; ¼ lb. $1.25.

Spencer Collection

Seven Packets, Seven Colors, 50 Cents Postpaid.

One packet of each of the choicest Spencers, as named and described on this page:

King Edward
Othello
White Spencer
Primrose
Countess Spencer
Florence Morse
Helen Lewis

One packet of each for 50c.

One ounce of each for $1.50.

HELEN LEWIS.—(Of Spencer type.) — Standard is crimson orange with orange rose wings. A striking shade and the flower is very large, of open form with wavy edges. Pkt. 10c, oz. 30c, ¼ lb. $1.00.

SPENCER MIXED.—This is not in any sense an inferior stock but is a choice mixture of the Spencer types and varieties. This mixture has been specially and carefully grown by our expert growers from careful planting to secure a wide range of color, embracing many sorts not named in our list. By growing in this manner we are in position to give our customers a chance to secure the Spencer type in varied colors at a reasonable cost. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. $2.50.

GLADYS UNWIN.—The Unwin type differs from the Spencer class in that the blossoms are not quite so large. The petals are marked and fluted as in the parent type, and the flower is borne on strong upright stems, while in texture and beauty they are unsurpassed. This variety is a light, clear pink in color, very dainty and charming. Pkt. 5c, oz. 20c, ¼ lb. 60c.

FLORENCE MORSE SPENCER.—This flower is a very delicate rose color, shaded a little darker pink at the edges. It is one of the best of the Spencer type, having large, open, wavy flowers, borne four on the stem, which are quite long. It is very similar to Countess Spencer except in the color, which is of lighter shade. It fully equals the older sort in splendid qualities. Pkt. 10c, oz. 30c, ¼ lb. $1.00.

CAPTAIN OF THE BLUES SPENCER.—A name strikingly appropriate for this lovely flower. Standard is purple and wings are bright blue, petals finely frilled and waving, and the blossom is very large, even for the Spencer class. A very desirable shade for color effect and a very satisfactory grower as to vigor and profusion of bloom. Is easily a favorite among lovers of sweet peas because of its many good qualities. Pkt. 10c, oz. 40c, ¼ lb. $1.50.

NORA UNWIN.—Clear, pure white of the semi-Spencer type. It grows very large open flowers with wavy edges. One of the finest white sweet peas now in cultivation. Flowers are borne generally three on a stem, and are of good substance and a finely effective flower. Comes true from seed. Pkt. 5c, oz. 20c, ¼ lb. 60c.

E. J. CASTLE.—A flower of exceeding delicacy and beauty. The color is a rich, carmine-rose with salmon shading in the standard. This rich color with the bold, wavy standard of the Unwin type makes a most striking effect, especially in artificial light. Pkt. 5c, oz. 20c, ¼ lb. 60c.

GROW SWEET PEAS ON WIRE TRELLIS OFFERED ON PAGE 83. IT AFFORDS THE BEST SUPPORT

GIANT FLOWERED SWEET PEAS

The sweet peas here offered are of the great-flowered or grandiflora class, and are grown for us by the best specialists in America. The stocks from which they are produced are not surpassed by anyone, and we know from the reported experience of our friends that the results from planting our sweet peas are most satisfactory. We ask only to be judged by results and solicit your orders with full confidence that you will be pleased. There is a reason. We have discarded all poor and inferior sorts and offer what we know to be the cream of the list, chosen from personal inspection of more than 200 varieties.

IMPERIAL MIXED.—Sixty of best sorts carefully selected so as to get the proper proportion of each color in assortment. Makes the choicest mixture ever offered. Illustration shows bunch of various colors and we are sure our customers will be pleased with them. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $1.75.

CALIFORNIA GIANTS.—Tourists from the east are always greatly surprised and delighted with the Sweet Peas which bloom so freely in California. One of the best growers who has been growing Sweet Peas for us during the past twelve years and who devotes about fifty acres annually to their culture, has, during the past few years, been selecting seed from the specially large flowers and we now offer it in a splendid mixture. No matter what other flowers you grow, give these a trial. Pkt. 10c, oz. 25c, ¼ lb. 75c.

NEW DOUBLE SWEET PEAS.—By hybridizing and selection, the new double-flowered Sweet Peas have been produced and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Try them. Pkt. 10c, oz. 25c, ¼ lb. 75c.

PERFECTED MIXED.—Of graceful form and charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.25.

FINE MIXED.—A nice mixture; very low price. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.



Twenty Choice Named Varieties

AMERICA.—(No. 9.)—Clear scarlet on a white ground. Pkt. 5c, oz. 15c, ¼ lb. 45c.

AURORA.—(No. 6.)—Extra large flowers, are flaked and striped bright salmon on white ground. Pkt. 5c, oz. 15c, ¼ lb. 45c.

BLACK KNIGHT.—Rich glossy blackish maroon. Immense bold, attractive flowers borne in greatest profusion. Pkt. 5c, oz. 10c, ¼ lb. 30c.

DOROTHY ECKFORD.—(No. 7.)—The largest flowered white variety. Great bloomer. Pkt. 5c, oz. 15c, ¼ lb. 45c.

EARLIEST OF ALL.—Very early; a bright pink with white wings. Pkt. 5c, oz. 15c, ¼ lb. 45c.

EXTRA EARLY BLANCHE FERRY.—Earliest of all. A beautiful light rose and white. Delicately handsome. Pkt. 5c, oz. 20c, ¼ lb. 60c.

KING EDWARD VII.—(No. 11.)—A true giant-flowered variety; brighter than either Mars or Salopian, in fact, the best dark red in existence. Pkt. 5c, oz. 20c, ¼ lb. 60c.

LADY GRISEL HAMILTON.—(No. 8.)—Light lavender with azure blue wings. Pkt. 5c, oz. 20c, ¼ lb. 60c.

LOVELY.—(No. 2.)—The most beautiful shades of soft shell-pink, shading to faint rose at outer edges. Pkt. 5c, oz. 15c, ¼ lb. 45c.

MRS. WALTER WRIGHT.—Of pinkish cream, changing to reddish purple; large. Pkt. 5c, oz. 20c, ¼ lb. 60c.

MRS. DUGDALE.—(No. 10.)—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c, oz. 15c ¼ lb. 45c.

MONT BLANC.—Large white flowers, free blooming and the earliest of all whites. Pkt. 5c, oz. 15c, ¼ lb. 45c.

MAID OF HONOR.—(No. 3.)—Light blue on a white ground, edged with deep violet. Pkt. 5c, oz. 15c, ¼ lb. 45c.

MRS. KENYON.—A decided novelty in Sweet Peas, being a very pretty large-flowered sort, of a handsome primrose or yellow color. You should have it if you want an attractive new color in your mixture. Pkt. 5c, oz. 15c, ¼ lb. 45c.

NAVY BLUE.—(No. 1.)—A great novelty; the darkest and truest blue of any variety. Free bloomer. Pkt. 5c, oz. 15c, ¼ lb. 45c

OTHELLO.—A beautiful dark brown chocolate red self-colored. Pkt. 5c, oz. 20c, ¼ lb. 60c.

PRINCE OF WALES.—(No. 5.)—A bright, self-colored, deep rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c, oz. 15c, ¼ lb. 45c.

PRIMA DONNA.—A soft shade bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Pkt. 5c, oz. 15c, ¼ lb. 45c.

RAMONA.—(No. 4.)—Flower creamy white and striped and flaked blush pink. Pkt. 5c, oz. 15c, ¼ lb. 45c.

ROYAL ROSE.—Beautiful clear rose. Pkt. 5c, oz. 15c, ¼ lb. 45c.

Circular how to grow Sweet Peas, mailed free on request

CUPID MIXED.—Dwarf growth. Flowers are pretty and freely produced. Mixed colors. Pkt. 5c, oz. 25c, ¼ lb. 75c.

BUSH VARIETIES MIXED.—Of distinct upright growth, forming a bush instead of climbing; many colors. Pkt. 10c, oz. 25c, ¼ lb. 75c.

PERENNIAL MIXED.—Listed with climbers, page 83. Pkt. 5c, oz. 20c.

NOTHING WILL AFFORD GREATER PLEASURE THAN A FINE HEDGE OF SWEET PEAS

ORNAMENTAL CLIMBERS

Nothing adds more to the homelike appearance of a place than to have the pleasant shade of vines over the porches and climbers on trellises, trees, fences, and outbuildings. We list them together so that our customers can make selection. Notice also the list of hardy permanent vines on pages 119 and 120.

ADLUMIA CIRRHOSA.—Has a striking resemblance to foliage of the Maiden Hair Fern. It is a hardy biennial climber, growing readily from seed; foliage feathery, dainty and picturesque; blooms second year; pink and white flowers. Plant in a cool, moist place. Pkt. 10c; ¼ oz. 25c; oz. 75c.

AMPELOPSIS VEITCHII, or Boston Ivy.—Described with Hardy Vines. Pkt. 5c.

BALLOON VINE.—A pretty, rapid growing climber, succeeding best in warm situation. Flowers white followed by balloon-like seed pods. Pkt. 5c; oz. 20c.

BRYANOPSIS.—Beautiful summer climber with yellow flowers, followed by pretty cherry-like green fruits, which change to bright scarlet, marbled with white. Pkt. 5c.

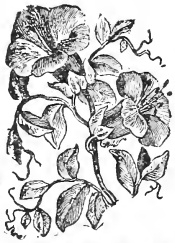
COBOEA SCANDENS.—A magnificent climber of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Pkt. 10c.



ADLUMIA

CANARY BIRD FLOWER.—One of the most beautiful climbers, with delicate, finely cut foliage and curious bright yellow flowers, resembling the canary bird in shape and color. Pkt. 5c; oz. 15c.

CYPRESS VINE.—A beautiful rapid climber with delicate dark green foliage, and an abundance of star-shaped scarlet and white blossoms.



COBOEA SCANDENS

Scarlet.—Very bright. Pkt. 5c; ¼ oz. 15c; oz. 40c.

White.—Pretty contrast with scarlet. Pkt. 5c; ¼ oz. 15c; oz. 40c.

Mixed Colors.—Above mixed. Pkt. 5c; oz. 25c.

New Ivy Leaved.—Entirely distinct from all other varieties both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty orange-scarlet flowers stand out in countless numbers. Pkt. 5c.

DOLICHOS.—(Hyacinth Bean.)—**Mixed Colors.**—A rapid growing annual climber flowering freely in clusters followed by ornamental pods. Fine for arbors or porches. Pkt. 5c; oz. 15c.



BRYANOPSIS

Daylight.—A choice climber, the vines growing quickly to a height of 8 to 10 ft., and blossoms profusely from base to summit, the large spikes of pure white flowers standing out boldly from the rich foliage. As flowers drop from the long spikes they are succeeded by broad, velvety, snowy white pods which retain their purity and freshness of color a long time. Pkt. 5c; oz. 20c.

Darkness.—A good companion for above. Both stems and under side of its leaves purplish red. Pea-like flowers; it blooms early. Pkt. 5c; oz. 20c.

GOURDS.—Ornamental Mixed. A mixture of the odd-shaped and fancy-colored sorts. Contains the most popular and handsome foreign varieties. Pkt. 5c; oz. 25c.



GOURDS



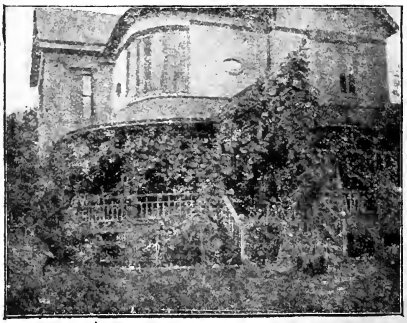


CYPRESS VINE

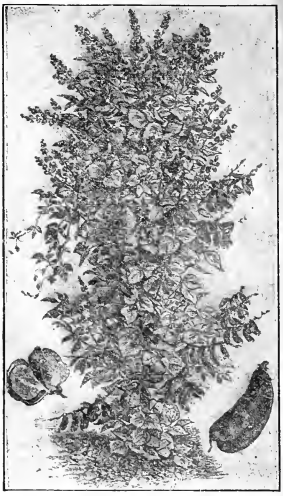
JONAH'S GOURD

"And the Lord prepared a gourd and made it come up over Jonah that it might be a shadow over his head."—Jonah 4:6.

Several years ago a friend was traveling in Asia. In driving through the country near Joppa he noticed a peculiar vine which grew about 50 to 60 feet in length along a fence. He was interested and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble he secured some of the seed and presented them to us. We have grown them both on our trial grounds and farm and were much pleased with plant. It grows with wonderful rapidity and quickly climbs to the top of tall trees and therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves quite large, flowers pure white, 2 or 3 in. in diameter, and fruits of great length, resembling the well-known Hercules' Club. Our cut is from a photograph of the residence of J. B. Hammond, Washington, D. C. President Roosevelt greatly admired the vine. Pkt. of 12 seeds for 10c; 3 pkts. for 25c.



JONAH'S GOURD ON RESIDENCE IN WASHINGTON



DARKNESS DOLICHOS



JAPANESE VARIEGATED HOP

HUMULUS. — (Hop.)—**New Japanese Variegated.**—Handsome and distinct climbing vine, valuable for trellis and high places. Leaves are strikingly marked and blotched silvery white tinged yellow. Pkt. 5c.

MORNING GLORIES.—Imperial Japanese.—The most popular class of morning glories. Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage often beautifully blotched. Of strong, robust growth. Vines grow quickly to a height of twelve to twenty feet. Flowers are of gigantic size, sometimes measuring four or five inches across. Colors, shading and markings really wonders of nature, of incomparable beauty. Double and single mixed. Pkt. 5c; oz. 15c.

Fringed Japanese.—A splendid strain with beautifully fringed flowers presenting an odd yet attractive appearance. Similar in size and coloring to the Imperial strain and delicately beautiful because of waved and curled borders of blossoms. Pkt. 10c; oz. 35c.

New Double Flowering.—A splendid variety of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at base of larger petals. About 8 per cent of seedlings will reproduce themselves true from seed. Pkt. 10c.

Improved Climbing.—A great improvement on the old climbing morning glory. Large size; great variety. Pkt. 5c; oz. 20c; ¼ lb. 60c.

Fine Mixed.—Mixture of odd sorts. Pkt. 5c; oz. 10c; ¼ lb. 25c.

Brazilian.—(Ipomoea Setosa.)—One of the grandest and most luxuriant plants ever grown; very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. Pkt. 10c; oz. 25c.

MAURANDIA.—Delicate climber for windows or conservatories. Admirable to hang from vases; also desirable for outdoor plantings where slender, graceful vines are wanted. Mixed colors. Pkt. 10c.

MOMORDICA.—Mixed.—A rapid growing vine bearing large bright colored fruits known as Balsam Apple and Balsam Pear. Foliage ornamental, and fruits are golden yellow, opening when ripe, showing a bright carmine center. A fine vine for trailing over stumps, rockeries, etc. Pkt. 5c; oz. 25c.

MAMMOTH PASSION FLOWER.—A very desirable climbing plant. Sow the seed early and if well cared for and seasons are favorable, vines will put forth magnificent blossoms the first year, of pink, blue and white, very large and showy. It is a native of tropical America and the early Spanish and Portugese travelers gave it its name thinking it represented the instruments of the Crucifixion. Begins to bloom when only one or two feet high, but blooms better the second year. It is a very desirable vine for trailing over porch or trellis, and can be left in the open ground through winter if well protected. They are also quite desirable for planting over mounds and in the eemctery, and are satisfactory for growing in the window garden. Per pkt. 10c.


SMILAX


PASSION FLOWER


WISTARIA

PERENNIAL SWEET PEAS.—(Lathyrus.)—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Bloom second year. Pkt. 5c; oz. 20c.

RUNNER BEAN.—Scarlet Runner.—A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods; very showy as a climber, also valuable for table use. Pkt. 5c; ¼ lb. 10c; lb. 30c.

Arabian Runner.—A beautiful variety of the above with striped scarlet and white flowers. Pkt. 5c; ¼ lb. 10c; lb. 30c.

SMILAX.—Considered the most beautiful of all vines for indoor growing and specially valued by florists for decorating and floral work all times of the year. The seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 5c.

THUNBERGIA.—Mixed Colors.—(Black Eyed Susan.)—Beautiful rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

WISTARIA.—One of the most popular hardy vines, climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of rapid growth, bearing in spring immense panicles of purple flowers in great profusion. Pkt. 10c.

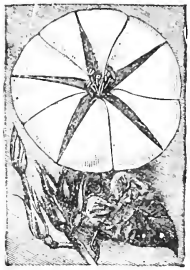

GALVANIZED WIRE NETTING

WIRE NETTING TRELLIS

Galvanized wire poultry netting 4 feet wide makes the best support for the Sweet Pea. This netting may be purchased in any desired width, and can be used nicely for most vining plants. Price, not prepaid: 4 ft. width, 10 ft. length, 40c; 50 ft. length, $1.75; 3 ft. width, 10 ft. length, 30c; 50 ft., $1.25; 2 ft. width, 10 ft. length, 20c; 50 ft., 85c.

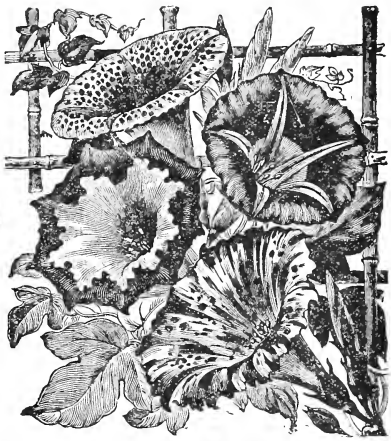
A complete price list of various sizes of wire netting will be found in the poultry supply list in this catalogue.

KUDZU VINE.—Jack and the Beanstalk.—Hardy, very rapid growing vine which dies to the roots after frost, but which grows to forty feet in a season when established. Large foliage and clusters of pea-shaped purple flowers. Grows readily from seed. Pkt. 10c.


MOONFLOWER

MOONFLOWER. — White. — (Ipomoea Grandiflora.) — One of the grandest summer climbers, growing twenty-five to forty feet heigh, and covered nightly and on dull days with beautiful white and moon-like flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 15 seeds, 10c; ½ oz. 25c.

Blue. — (Ipomoea Learii.)—Distinct and charming novelty; in striking contrast to the true White Moonflower. Color exquisite clear, satiny blue; well defined crimson bars. Pkt. 10c; ½ oz. 50c.

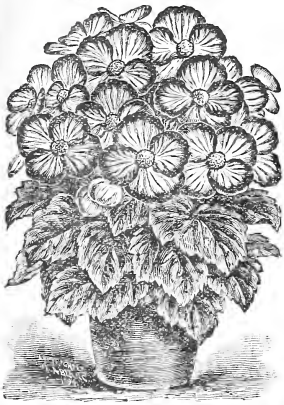

IMPERIAL JAPANESE MORNING GLORIES


WILD CUCUMBER

WILD CUCUMBER.—A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, very profuse in bloom. It reaches height of 30 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c; oz. 15c.

CLIMBING NASTURTIUM.—Description and prices on different varieties on page 73.

SUMMER FLOWERING BULBS



TUBEROUS ROOTED BEGONIA

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. Few other flowers can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the canna and the wonderful markings of the tigridia. Bulbs for spring planting require but little care and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction, the trifling expense of the original cost. For lilies and other hardy bulbs see pages 88 and 90. Bulbs are large and strong and will be sent well packed, postpaid, on receipt of price, except where noted.

AMARYLLIS



AMARYLLIS

JOHNSONII.—Of strong, vigorous growth, bearing from 3 to 6 brilliant red flowers on each stem. The petals are striped with white; very attractive; fragrant. Each 50c.

FORMOSISSIMA.—(Jacobean Lily.)—Of extremely rich, deep velvety crimson. Free bloomer and succeeds well in pots or open ground. Ea. 15c, 3 for 40c, doz. $1.25.

ATAMASCO.—A fine little bulb for summer blooming, bearing pink flowers. Plant closely. Each 5c; doz. 50c.

BELLADONNA.—Free flowering and fragrant. Flowers are lovely shell-pink color and flower stems two feet or more in height. Each 20c; 3 for 50c.

BEGONIAS

SINGLE TUBEROUS ROOTED.—Fine for bedding or borders, producing lovely bright flowers of various shades. Colors to order as follows: Scarlet, pink, white, yellow, or crimson. Each 10c; doz. 75c.

DOUBLE TUBEROUS ROOTED.—Double form of flower. Can furnish same colors as above. Each 10c; doz. $1.00.

RAINBOW BEGONIA COLLECTION

One bulb each of seven different colors; may be started in the house or will keep sound and strong for May planting outdoors. Second size bulbs.

Postpaid for Only 25 Cents.

CINNAMON VINE



CINNAMON VINE

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon; is appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is most desirable. We furnish the large tubers, postpaid for 10c; 3, 25c; doz. 65c. We can supply small bulblets from which the large tubers may be grown in one season at 10c per doz.; 100 for 60c.

CALADIUM

ESCULENTUM.—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 15c, 3 for 40c; large bulbs 25c, 3 for 60c; mammoth 40c, 3 for $1.00.

FANCY-LEAVED.—These have in recent years grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed, each 25c; dozen $2.50.



CALADIUM ESCULENTUM.



FANCY LEAVED CALADIUMS

EMERALD VINE

(Discorea Fargessi.)—Belongs to the same family as the Cinnamon Vine, though very different and by many considered superior to that fine vine. Vines grow in slender form, and quite massy. Foliage is divided and bright emerald green in color, with a decided luster. Flowers are borne numerously in drooping racemes. Each 10c; 3 for 25c.

HYACINTHUS CANDICANS

This is a large, strong, vigorous bulb, growing a stem 3 to 4 ft. high. The stems bear quantities of large, drooping flowers, ivory in color and bell-shaped, per illustration. Flowers are delicately fragrant and by planting closely a clump of these bulbs will produce a charming effect, the flowers appearing like giant snowdrops. Each 5c; doz. 50c. Extra large bulbs, each 10c; doz. $1.00.



LITTLE GEM CALLA

CALLA LILIES

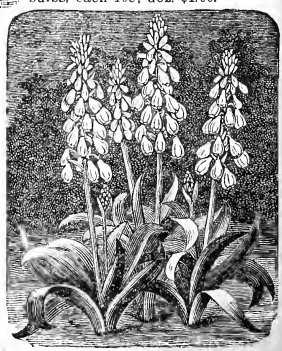
These are generally sent out as dry bulbs, but the Little Gem variety are always started plants.

MAMMOTH WHITE.—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of white flowers. Large size each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

ELLIOTTIANA.—This magnificent new yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spotted with white. Each 35c; 3 for 90c.

LITTLE GEM.—A perfect miniature Calla, growing 8 to 12 inches high, producing beautiful snow-white blossoms. Blooms summer or winter, beginning when a few inches high. Growing plants 15c; 3 for 40c.

SPOTTED LEAF.—Leaves deep green with spots, giving plant a magnificent appearance. Flowers are of pure white with black centers. Fine for planting in the garden in summer. Each 10c; doz. $1.00.



HYACINTHUS CANDICANS

GLORIOUS CANNAS

These are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

A. CROZY.—Height 4 feet. Green foliage. Crimson scarlet, with broad gold border. Has always been popular as it is one of the most striking among the long list of cannas. See illustration. Each 15c; dozen $1.50.

ALLEMANIA.—Foliage poa green and very wide; flowers are orange scarlet lemon edge. One of the best for planting alone. Flower and foliage both attractive and distinct. Height 4 feet. Each 15c; dozen $1.25.

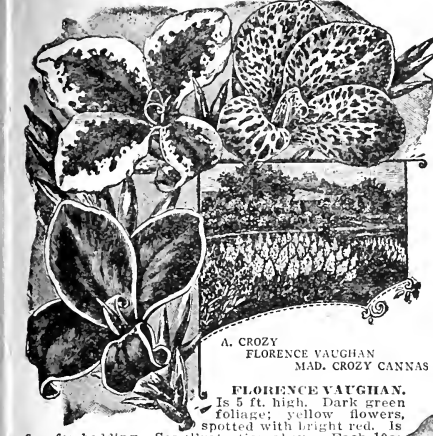
AMERICA.—Height 4 feet. One of the handsomest of the bronzed leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Flowers extra size, dark yellow, veined with red. Each 20c; doz. $2.00.

BURBANK.—The well known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Green foliage. Height 5 feet. Each 15c; doz. $1.50.

BUTTERCUP.—Beautiful clear yellow flower; large spikes. A very free blooming variety. Splendid for bed of dwarf cannas with Madam Crozy and Wm. Saunders to supply contrasting colors. Green foliage. Each 15c; dozen $1.50.

CALIFORNIA.—Rare and handsome; color a pure rich orange gold, no other like it. Has nearly all the good qualities combined, good habit of growth, large flowers, erect head, and blooms freely; green foliage. A color that always looks well. Height 4 feet. Each 15c; dozen $1.50.

CHARLES HENDERSON.—Four feet high. Green foliage; one of the finest bedding plants in existence; compact, vigorous growth; free bloomer; deep, rich crimson. Each 10c; dozen $1.00.



A. CROZY
FLORENCE VAUGHAN
MAD. CROZY CANNAS

FLORENCE VAUGHAN. Is 5 ft. high. Dark green foliage; yellow flowers, spotted with bright red. Is fine for bedding. See illustration above. Each 10c; dozen $1.00.

GLADIATOR.—Height 5 feet. A strong grower. Ground color a bright yellow, thickly spotted with crimson. A profuse bloomer and flowers are borne well above the foliage. One of the very best ornamental cannas. Each 20c; doz. $2.00.

ITALIA.—Petals have brilliant orange scarlet center, widely bordered with clear yellow. A splendid specimen of the gold banded class. The colors are very catching. Orchid flowered type with green foliage. Height 4 feet. Each 15c; dozen $1.50.

KATE GRAY.—Very large flowers, often six inches across. Color orange scarlet streaked and flaked with golden yellow. Height five feet. Each 15c; doz. $1.50.

KING HUMBERT.—One of the grandest new cannas ever offered. Has flowers as large as the largest of the orchid flowering cannas. Bright orange scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower; height 4 feet. Each 20c; dozen $2.00.

LOUISIANA.—A very fine specimen of the orchid flowered type. Color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each 15c; dozen $1.50.

MADAM CROZY.—One of the most popular sorts. A fine grower and the contrasting colors of the flower make it a favorite. Height 3½ feet. Green foliage; flowers vermillion red, gold bordered; a succession of flower trusses. Each 10c; doz. $1.00.

MARTHA WASHINGTON.—Dwarf variety growing about three feet tall. Very profuse bloomer. Flowers large, and beautiful bright pink color. Each 15c; doz. $1.50.

MISS BERTHINE BRUNNER.—Yellow flowers spotted with red dots, in large open clusters. Splendid showy flowers for bright effects. Green foliage. Height 4½ feet. Each 20c; dozen $2.00.

MONT BLANC.—The nearest pure white of any canna ever offered. The flowers are large and showy. Foliage green. Height 3 feet. Each 20c; dozen $2.00.

PENNSYLVANIA.—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange; height 6 feet. Each 15c; doz. $1.50.

PIRES, MEYER.—Height 4½ ft. A dark foliage variety, with very large petaled flowers of cherry red. Choice variety. Ea. 15c; doz. $1.50.

QUEEN CHARLOTTE.—Blooms large, center of petal scarlet, with large ragged border of yellow, like illustration of A. Crozy in upper left hand of this page. Green foliage. Height 3½ feet. Each 15c; dozen $1.50.

ROBUSTA.—Effective large dark-leaved variety. Leaves 12 to 18 inches wide. Height 8 feet. Each 20c; dozen $2.00.

SECY CHABANNE.—A distinct shade of salmon. Flowers large, plant strong and robust; a free bloomer. Height 3 feet. Each 15c; dozen $1.50.

VENUS.—Flower bright pink, with narrow border of bright lemon yellow, center and throat splotched orange. Vigorous and perfect form, long erect stems bearing large trusses of splendid shape and most delicate in coloring and texture of flower. Green foliage. Height 3½ feet. Each 15c; dozen $1.50.

WEST GROVE.—Height 4½ feet. Flowers extra large, pink. Each 15c; dozen $1.50.

WM. SAUNDERS.—Splendid large scarlet flowers in very large clusters. Strong; vigorous. Bronze foliage; 3 to 4 ft. Each 20c; doz. $2.00.

WYOMING.—One of the most majestic flowering cannas in orchid-flowering class, with a luxuriant growth of rich purple foliage. Above are borne great plumes of massive orange-colored blossoms with large rounded petals. Seven feet. Each 15c; doz. $1.50.



BURBANK

MAJESTIC CANNA BED

This is a special offer for those who want a fine, large bed of cannas for striking display. As there are so many, we quote them here by express, the customer to pay transportation charges.

18 Wyoming—Bronze, 7 ft.
18 Allemania—Green, 4 ft.
18 Buttercup—Green, 3½ ft.
18 Pennsylvania—Green, 6ft.
18 King Humbert—Bronze, 4 ft.

90 FOR $3.00

This gives a very wide range of color in flower and foliage; if planted in round or square beds will make a wondrous show. Plant 12 inches apart.

Ninety fine cannas of best sorts by express only $3.00.

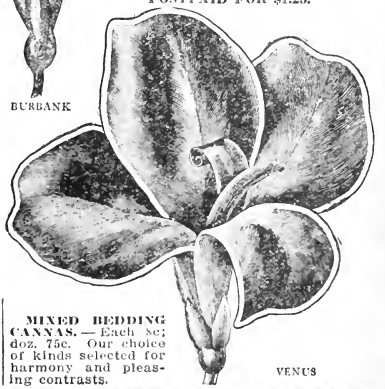
CONTRAST CANNA BED

A Few of the Best in a Bargain Offer.

2 Allemania
2 Mont Blanc
2 West Grove
2 Chas. Henderson
2 Buttercup
2 Robusta

Twelve of the choicest sorts, showing a fine contrast in flower and foliage.

POSTPAID FOR $1.25.



VENUS

MIXED BEDDING CANNAS. — Each 8c; doz. 75c. Our choice of kinds selected for harmony and pleasing contrasts.

STATELY DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and we now grow acres of them to supply the demand. Out of the many hundred varieties we have selected the following as of special value. For best results start roots early in the house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

DECORATIVE DAHLIAS

Type of blooms see Nos. 1 and 2 in group picture.

CLIFFORD W. BRUTON.—(See cut No. 1.)—A beautiful dahlia of greatest merit. Extra large flowers of bright golden yellow, perfect in shape and form; very early bloomer. Each 15c, 3 for 40c.

DELICE.—A new dahlia, greatly prized by specialists because it is a new shade—an exquisite glowing rose pink—a soft yet brilliant shade. Admirable in vigor and habit of growth. Ea. 30c, 3 for 75c.

FLORA.—Listed by some growers among cactus flowered sorts. It is an ideal white dahlia. It produces fine, large, heavy flowers on strong, stiff stems, making it valuable for cutting. Ea. 20c, 3 for 50c.

JACK ROSE.—So named because the color is brilliant crimson red, almost exactly like the General Jacqueminot rose. Popular because of brilliant color which shows to advantage in any collection. Each 15c, 3 for 40c.

SYLVIA.—(See cut No. 2.)—A very lovely shade of mauve pink, shading to white in the center. A fine flower on a vigorous plant. One of the best decorative dahlias of lighter shade. Ea. 15c, 3 for 40c.

SOUVENIR de GUSTAV DOAZON.—A giant flower on strong plant. Will grow ordinarily six inches in diameter and sometimes is fully nine inches across. Plant grows freely and produces blooms in abundance. Color bright, dazzling red. Ea. 25c, 3 for 60c.

SHOW DAHLIAS

Type of blooms, Nos. 3, 4 and 5 of group picture.

A. D. LIVONI.—(See cut No. 4.)—Also offered under the name Ethel Vick. A very early blooming variety of delicate shell pink. Very handsome and the best of the pink show sorts. Popular as a cut flower. Each 15c, 3 for 40c.

ARABELLA.—A beautiful flower of primrose or light yellow, tipped rose and lavender. A lovely combination, bright, yet modest. Flower of good size, on fine, strong plant. Each 15c, 3 for 50c.

BON TON.—(See cut No. 3.)—A rich, deep garnet red flower of compact form, beautiful in every situation. One of the best solid colored blooms. Each 15c, 3 for 40c.

GRAND DUKE ALEXIS.—Flowers 18 in. in circumference and of most beautiful form, petals are rolled up so that they overlap each other. Color is pure snow white slightly tinged with delicate pink at center. No other sort equals it in size or beauty. Ea. 25c, 3 for 65c.

MAID OF KENT.—(See cut No. 5.)—Richest crimson velvet. About half the petals tipped with a large spot of white. Frequently flowers are solid scarlet, but most are variegated. Each 15c, 3 for 40c.

QUEEN VICTORIA.—Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c, 3 for 40c.

WHITE SWAN.—A lovely pure white flower. Plant is a strong, vigorous grower, branching freely and flowers are borne on long stems, valuable for vase bouquets or decorations. Ea. 15c, 3 of 40c.



DAHLIAS (REFER TO NUMBER IN DESCRIPTION)

CACTUS DAHLIAS

ALFRED MORGAN.—A splendid variety with extra large flowers of great size. Color is rich, deep crimson. The choicest offering in strong color. All that may be desired in form of flower and vigor of growth. Each 25c, 3 for 60c.

COUNTESS OF LONSDALE.—A peculiar pleasing shade of salmon pink or apricot, shading to carmine at edge of petals. Blooms freely in nearly all situations. Strong, vigorous grower. Ea. 25c, 3 for 60c.

KREIMHILDE.—Bright, shining pink, gradually shading to white at the center. Vigorous grower producing the flowers on perfect long stems, making it especially valuable for a cut flower. Each 20c, 3 for 50c.

GENISTA.—A most attractive flower. Color is deep amber, shaded gold; very bright and particularly pleasing in mixed bouquets. It will please dahlia lovers. Habit and growth excellent; blossoms unique. Ea. 20c, 3 for 50c.


CACTUS DAHLIAS

POMPON DAHLIAS

The small flowered type so popular for bouquets and cut flowers. We offer sufficient range of color to afford pleasing effects in vases, etc.

AMBER QUEEN.—An extra free bloomer and a favorite color, clear amber shaded apricot, fine in almost any combination. Ea. 15c, 3 for 40c.

DARKNESS.—Very dark maroon. Furnishes the heavy color for contrast. A very free bloomer and strong grower. Each 15c, 3 for 40c.

HIGHLAND MARY.—A beautiful little flower of pink and white. A free bloomer. Dainty and desirable, and may be used nicely alone or in mixed bouquets. Each 15c, 3 for 40c.

RED INDIAN.—A bright, deep, coral red, an attractive shade. Produces splendid flowers in profusion. Each 30c, 3 for 50c.

SUNBEAM.—Crimson scarlet. No mixed bouquet complete without it. Splendid as a solid color decoration any time or place. Ea. 15c, 3 for 40c.

TWENTIETH CENTURY DAHLIAS

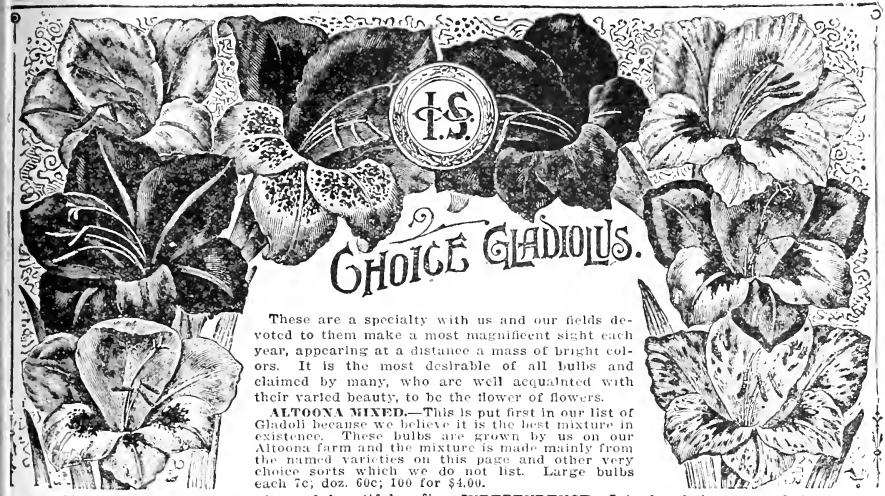
CARDINAL CENTURY.—The ground color of the flower is bright cardinal red, and the general appearance of the bloom is particularly striking and attractive. Among single dahlias the Twentieth Century class is far ahead of any other, and this is a fine variety. Ea. 20c, 3 for 50c.

GOLDEN CENTURY.—Extra large single blooms, with general effect of a beautiful golden yellow. The markings add to the attractiveness of the flower so that it will make a splendid bloom for vases or bouquets. A desirable sort for clump planting. Each 20c, 3 for 50c.

FRINGED TWENTIETH CENTURY.—Of "Century" type but petals are fringed, presenting a distinct and different appearance. Color is intense rosy crimson, with white tips and white disc around the yellow center. A bloom of beauty. Each 20c, 3 for 50c.

ROSE PINK CENTURY.—Flowers six inches and over in diameter; of a clear rose pink color; a strong grower with long, stiff stems. Fine as a cut flower and shows extra well under artificial light. Each 20c, 3 for 50c.


TWENTIETH CENTURY DAHLIAS



CHOICE GLADIOLUS.

These are a specialty with us and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. It is the most desirable of all bulbs and claimed by many, who are well acquainted with their varied beauty, to be the flower of flowers.

ALTOONA MIXED.—This is put first in our list of Gladioli because we believe it is the best mixture in existence. These bulbs are grown by us on our Altoona farm and the mixture is made mainly from the named varieties on this page and other very choice sorts which we do not list. Large bulbs each 7c; doz. 60c; 100 for $4.00.

AMERICA.—A splendid new variety of beautiful soft ink shade. It will delight the gladiolus grower with its arge flowers and pleasing beauty. Each 5c; dozen 50c.

AUGUSTA.—White ground color with blue shading. Fine ariety as it is very vigorous and spikes are large and fine. very beautiful flower. Each 5c; doz. 50c.

BRENCHLEYENSIS.—Deep vermilion scarlet. One of the rightest and most showy varieties. You must have some renchleyensis to add the flaming red in your color scheme. few spikes of the above make a striking bouquet. Each c, dozen 40c.

CANARY BIRD.—The yellow flowered sorts are the aristocrats among Gladioli and the Canary Bird is without oubt the best yellow variety. It is a ood, vigorous grower and color of the ower is pleasing and attractive. Each 0c, dozen $1.00.

FLORIDA.—An early blooming sort of eep red color. Popular because it is an ttractive shade, either in solid or mixed ouquets, and is fine for mass or mixed lantings in the open garden. Each 0c, doz. $1.00.

GRACE.—A lovely flower of blush hite, striped crimson with white throat. ery fine spikes of wide open flowers, ften 10 to 15 on a stalk. Will prove a ne light shade among the more prounced reds. Each 10c, doz. $1.00.

MRS. FRANCES KING.—A hybrid sort f great beauty and attractiveness. The olor is very pleasing light scarlet. Spike trong, flowers large and usually a half ozen open at once. Each 5c, dozen 50c.

MADAM MONNERET.—This is a very ovely blossom of solid flesh pink color. ine spike. Each 6c, dozen 60c.

VELVET KING.—Almost solid colored lower of deep crimson. A very fine variety for bouquets or decorative effects. ach 10c, dozen $1.00.

TACONIC.—A beautiful flower of lovely pink, striped and flaked lighter shade, nd with throat of light blush. Crimson arkings on lower petals. Each 10c; ozen $1.00.

DeCHEVILLE.—In color is salmon red with buff blotch on throat. Of the Lemoine or butterfly type. Free bloomer vith long spikes. Each 15c; dozen $1.50.

KLONDYKE.—Color clear primrose. ellow with blotch of crimson maroon. triking. Strong and vigorous plant, looming early. Each 6c; dozen 60c.

INDEPENDENCE.—Introduced by us, and is an extra choice variety, attracting great attention because of its extra large size, wide open flowers and handsome salmon rose color. It is a strong, vigorous grower, nearly 3 feet high. Color varies as flower grows older. Each 5c, doz. 50c.

MAY.—Popular with florists. White flaked with crimson. A dainty flower with just enough color to make it really beautiful. Each 6c, dozen 60c.

PRINCEPS.—Rich crimson with deep shadings in throat, and fine large white blotches on the lower petals. The flowers are exceedingly large and fine and they bloom for a long time. This is one of the most magnificent of gladioli. Each 10c, dozen $1.00.



INDEPENDENCE, MAY AND PRINCEPS GLADIOLUS

SPECIAL GLADIOLI MIXTURES

For the benefit of such of our customers as wish a number of given tints for massing we are offering some mixtures of different shades at attractive prices. For the bed of varied colors we offer you some of the choicest mixtures to be found in this country.

SILVER TROPHY MIXED.—Considered one of the finest of commercial mixtures. Our stock was procured from the originator and has been carefully grown, so that we can without hesitation recommend it to our friends. Each 7c; doz. 60c; 100 for $4.00.

GROFF'S HYBRIDS MIXED.—A mixture containing all the new varieties of this splendid type of prize gladiolus. Next to our Altoona mixture, we offer the Groff's hybrids as the most generally satisfactory mixture. Have been universally praised by admirers of this flower. Each 5c, doz. 50c, 100 for $3.00.

GROFF'S BLUE MIXED.—A mixture in various shades of blue of the type of Groff's Hybrids so generally popular. Each 10c, dozen $1.00.

CHILDSII.—A mixture of this special type of gladiolus, striking in varied markings of flowers. Each 5c, doz. 50c.

RED MIXED.—Darker colors than the above. Each 5c; doz. 40c; 100 for $3.00.

PINK MIXED.—Many varieties of this popular shade of color. Each 5c; doz. 50c; 100 for $3.50.

WHITE AND LIGHT MIXED.—The light colored sorts. Each 5c, doz. 50c, 100 for $3.50.

YELLOW MIXED.—Ranging from lemon to the darkest shades. Each 8c, doz. 75c, 100 for $5.00.

FINE MIXED.—Our own mixture containing a wide range of color; offered at a very low price and we feel sure they will prove satisfactory. First size each 4c, doz. 35c, 100 $2.50; second size each 3c, doz. 25c, 100 $1.50.

FEMININE GLADIOLUS COLLECTION

One each, **Augusta, Grace, May, Mrs. Frances King and Madam Monneret,** 5 choice sorts, only 35c.

THE BEAUTIFUL FLOWERS OF THE GLADIOLUS MAKE THE FINEST CUT FLOWERS FOR TALL VASES

BEAUTIFUL LILIES

Nothing can surpass the Lily in beauty, purity, delicacy and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

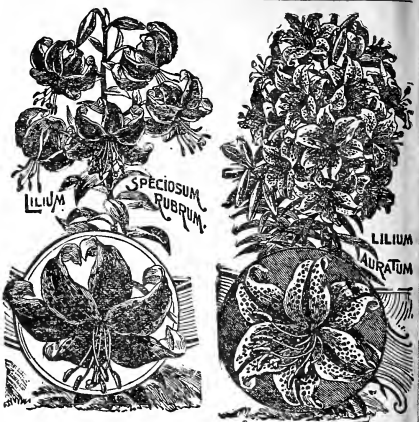
AURATUM.—(Japanese Gold-Banded Lily.)—This is justly entitled to the name given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 20c; dozen $1.75; extra large bulbs each 30c; dozen $2.75.

SPECIOSUM RUBRUM.—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 or 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class. Each 15c; 3 for 40c.

SPECIOSUM ALBUM.—The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance, beautifully recurved. Each 20c; 3 for 50c.

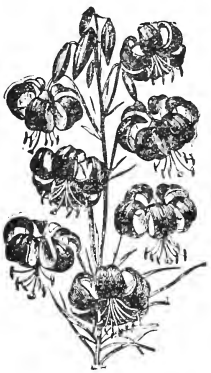
MELPOMENE.—Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved, widely bordered. Each 20c; 3 for 50c.

TENUIFOLIUM.—The lovely Coral Lily of Siberia, brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c; doz. $1.50.

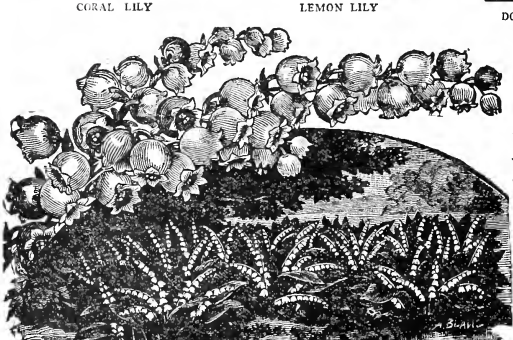


EASTERN SPLENDOR LILY COLLECTION

One nice bulb each of the Auratum, Rubrum, Album, Double Tiger and Melpomene lilies for only 75 cents, postpaid.


CORAL LILY


LEMON LILY


LILY OF THE VALLEY

TIGER LILIES

DOUBLE TIGER LILY.—A double form of the old Tiger Lily. The flower is densely double, color orange red, spotted with black. Blooms freely; should be more largely grown. As hardy as the old-fashioned tiger lily and much more beautiful. Each 15c; dozen $1.25.


DOUBLE TIGER LILY

TIGRINUM SPLENDENS.—An improved Tiger Lily growing sometimes 6 ft. high, and producing large pyramids of orange red flowers spotted with black. Each 10c; doz. $1.00.

EASTER LILIES.—Are supplied as fall bulbs. For prices see page 90.

LEMON LILY.—One of the handsomest flowers for garden culture. It is not a true lily, as the bulb is of a different shape, but the flower is very much like the Lilium Speciosum in form and about 3 in. diameter. The color is entirely different from all others, being a clear lemon yellow of very bright, pleasing appearance. They have also a most delightful lemon fragrance. There seems to be almost no limit to amount of bloom produced. Each 15c; dozen $1.50.

ORANGE LILY.—(Hemerocalis Demorteri.)—Similar to Lemon Lily, but of fine orange color. A bed of these and Lemon Lilies intermingled will give a most pleasing effect in outdoor plantings, and the grower will be more than repaid by the wealth of blossoms available for table decorations or bouquets. We wish we might persuade all our flower loving customers to try the two lilies mentioned and we feel sure they will be delighted with results obtained. Each 10c; dozen 75c.

DOUBLE CORN LILY.—(Hemerocalis Kwanso.)—For description and illustration see page 125. A double-flowered orange lily. Each 10c; doz. $1.00.

SPECIAL OFFER.—We will send 2 Lemon and 2 Orange and 2 Double Corn Lily bulbs for 50c, postpaid.

LILY OF THE VALLEY.—A well known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in open ground select a partly shaded rather moist situation, and they are charming when grown in large patches as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c; dozen 35c; 100 for $2.50.



GLOXINIA

FANCY FLOWERED GLOXINIA

We know of no bulbous plant that will give such universal satisfaction as the Gloxinia. Their charming trumpet-shaped flowers are exquisitely tinted, blotched or tigered with miniature dots of violet, pink or crimson. They are of the easiest culture in pots and bloom continuously for months. We have a grand strain of Hybrid Gloxinias in mixed colors or in separate colors of crimson, rose, scarlet, violet, white, etc. The Gloxinia may be handled with success anywhere if given good, rich, light soil and a partially shady situation until well started into growth. Each 15c; dozen $1.25.

GIANT FLOWERED ISMENE

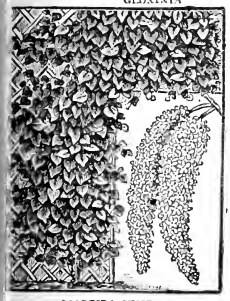
Really one of the most lovely of the great Amaryllis family, having a peculiar grandeur which one can appreciate at sight, but can not describe. The flowers are very large and of snowy whiteness and are also exceedingly fragrant. The bulbs bloom in a few weeks after planting. As a pot plant it is grand, and as a garden bulb treated like a gladiolus, it is the choicest of all flowers. Each 20c; dozen $2.00.

MADEIRA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c; doz. 45c.

MONTBRETIA

CROCOSMIFLORA.—A new summer-flowering bulb, easier than the gladiolus to grow, but can oe planted earlier and left in the ground later, as they are so hardy they continue to bloom after fall frosts. One of the brightest and most winsome flowers we know of. From July to October they are one mass of flowers, spike after spike of the flame-like beautics appearing. Very fine for cutting. Each 5c; doz. 40c.



MADEIRA VINE

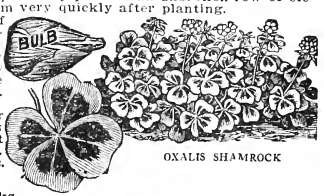
SUMMER FLOWERING OXALIS

No bulb is so valuable for edging the borders of walks or flower beds as the beautiful lowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; and they bloom very quickly after planting.

SHAMROCK.—Leaves resemble four-leaf clover; flowers rose color and borne in profusion on vine-like stems. Pretty for border. Doz. 10c; 100 60c; mammoth bulbs per doz. 15c

DIEPPI ALBA.—Pretty low-growing variety with light green leaves and clusters of pure white bell-shaped flowers; blooms profusely. Doz. 10c; 100 for 50c.

LASIANDRA.—Large, dark green, palmate or five-fingered leaves, with clusters of rosy pink flowers. This is taller than above. A most satisfactory bulb for bordering flower beds. Doz. 10c; 100 for 60c; mammoth bulbs., doz. 15c.



OXALIS SHAMROCK

RESURRECTION PLANT

A curiosity sure to interest children. Looks like a ball of dried moss, but when dropped into a bowl of tepid water it quickly opens out into a beautiful fern-like plant. It is not planted in earth. Each 15c, 4 for 50c.



PEARL TUBEROSE

TIGRIDIA

PEACOCK OR SHELL FLOWER.—Showy summer bulbs, blooming freely from midsummer until frost. Large, wide open, triangular blooms. Colors and markings are very brilliant and peculiar, odd and attractive. Clumps of them in a border have a most gorgeous effect. Very easily grown. Each 5c; doz. 50c.

TRITOMA

PFITZERI. — (Flaming Torch.) — Flower spikes are produced in great freedom and are gigantic in size, frequently 3 to 4 feet high. The flowers are of rich orange scarlet, shaded to a rich salmon rose at the edge. A bed of these in bloom is a grand sight, or, scattered through a flower garden it adds brightness and is in its glory when nearly all other flowers are scared with early frost. Each 20c; 3 for 50c.



RESURRECTION PLANT

TUBEROSE

NEW EXCELSIOR PEARL.—The tuberose is justly a universal favorite and very easily grown. This variety has short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for buttonhole bouquets. Monster bulbs each 7c; doz. 65c. First size bulbs each 2c; doz. 20c. Second size, doz. 25c; 100 for $1.25.

MEXICAN SINGLE.—Grows 3 ft. high, producing two to five flower stems from one bulb. Flowers single, pure white, much pleasanter in fragrance than the Pearl. Each 5c; doz. 40c.

VARIEGATED LEAVED.—Leaf bordered creamy white; flowers single but very large and exqisitely fragrant. Bulbs continue to grow and bloom year after year. Each 5c; doz. 50c.



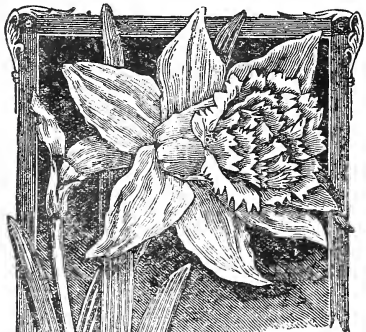
TRITOMA PFITZERI

ZEPHYRANTHES

Popularly known as "Zephyr Flowers' and 'Fairy Flowers. They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in the spring, flowering with great profusion during summer. Are very suitable for pot culture; 4 to 6 bulbs clustered in a 6-inch pot will give fine display. Pink or white. Ea. 5c; doz. 50c.



ZEPHYRANTHES



Choice bulbs 3c, doz. 25c.

VON SION DOUBLE NARCISSUS

NARCISSUS

VON SION.—The True Double Yellow Daffodil.—Has a rich golden yellow perianth and trumpet. This is the old favorite so highly prized in many old-fashioned gardens. Extra large double nozed bulbs, producing two or three flower spikes. Each 6c, dozen 60c; 100 for $4.00.

EMPEROR. — Extra large single flowers, both trumpet and petals yellow. Each 6c, doz. 60c; 100 for $4.25.

EMPRESS.—Like above. Trumpet yellow, petal white. Each 6c, doz. 60c; 100 for $4.00.

POETICUS.—"The Pheasant's Eye," or "Poet's Narcissus." Pure white flowers with orange cup edged with crimson. Hardy. Each 3c, doz. 25c.

INCOMPARABLE DOUBLE. — (Butter and Eggs)—Full double of rich yellow and orange. Each 4c, doz. 40c.

PAPER WHITE GRANDIFLORA.—Can be made to bloom in December. There is no more satisfactory bulb for house cultivation. Snow-white flowers. Each 5c, dozen 40c.

SINGLE EARLY TULIPS

ARMS OF LEYDEN.—White, striped and slashed red. Each 4c; doz. 40c, 100 for $3.00.

BELLE ALLIANCE.—Deep scarlet flower. Each 4c, doz. 45c, 100 for $3.50.

COLEUR PONCEAU.—Rosy crimson, and tipped white. Ea. 3c, doz. 30c, 100 for $2.00.

CRAMOISE BRILLIANT.—Bright vermillion red. Each 4c, doz. 40c, 100 for $3.00.

CRIMSON KING.—Showy, bright crimson flowers. Each 3c, doz. 30c, 100 for $2.

DUCHESS OF PARMA.—Orange-yellow, and brown shadings. Each 3c, doz. 30c, 100 for $2.00.

COTTAGE MAID.—Carmine pink, center of petals feathered with white, base yellow. Each 4c, doz 40c, 100 for $3.00.

PRINCE DE LIGNE.—Bright deep yellow. Each 3c, doz 30c, 100 for $2.00.

YELLOW PRINCE.—Bright yellow. Each 3c, doz. 30c, 100 for $2.00.

LA REINE.—White, sometimes tinged with rose. Each 3c, doz. 30c, 100 for $2.00.

KEIZERSKROON.—Rich crimson with a broad gold margins. Each 4c, doz. 40c, 100 for $3.00.

SINGLE EARLY FINE MIXED.—All colors. Each 3c, doz. 25c, 100 for $1.50.

IOWA SEED CO.'S BEST SINGLE MIXED.—From very best named varieties. Each 4c, doz. 35c, 100 for $2.50.

PARROT TULIP.—Flowers large and showy; fantastic in form, being so toothed and corrugated as to resemble a parrot's beak. Yellow, crimson or white, feathered with green, gold and scarlet. Mixed colors. Each 3c, dozen 30c, 100 for $2.00.

WINTER BLOOMING BULBS

Some of the most beautiful and fragrant flowers belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted. Bulbs arrive from Holland about Sept. 20th. The best way is to order during spring or summer, then your order will be filled as soon as bulbs are received. Orders filled in rotation upon arrival of stock, and if yours is on file you are sure to receive choice fresh bulbs and get your order in full. Sometimes stock is exhausted later in fall and some items cannot be supplied to late customers. These bulbs are solid and heavy **at the postage is expensive but we prepay them at prices named.** If any of these items appear on your spring seed or plant orders the seasonable goods will be sent and the winter bulbs will be mailed you at time specified above. Orders should amount to at least 25 cents.

FREESIA

One of the daintiest flowers for conservatory or window garden. Color white with yellow blotched throat; quite fragrant; free bloomer and will keep for two weeks in water after cutting. If planted early can be forced to bloom by Christmas. Six or eight bulbs should be planted in 4-inch pot. Not hardy. Mammoth bulbs 5c, doz. 45c.

CROCUS

White, Mixed Shades of Yellow, Mixed Blue and Purple, Striped and Variegated Mixed, doz. 15c, 100 $1; Cloth of Gold, Cloth of Silver, Mammoth Yellow, doz. 20c, 100 $1.25; all colors mixed, doz. 10c, 100 80c.



DOUBLE, SINGLE AND PARROT TULIPS

DOUBLE EARLY TULIPS

LA CANDEUR.—Pure white. Beautiful with Rex Rubrorum. Each 4c, doz. 35c, 100 for $2.75.

REX RUBRORUM.—A brilliant double scarlet. Each 4c, doz. 40c, 100 for $3.00.

DUKE OF YORK.—Carmine rose, edged broadly with white, suifused rose. Each 4c, dozen 35c, 100 for $2.50.

LA CITADELLE.—Purplish red, bordered yellow. Each 4c, doz. 40c, 100 for $3.00.

TOURNESOL. — Orange scarlet with broad yellow tips and yellow base. Each 5c, doz. 50c, 100 for $3.75.

MURILLO.—(Albino)—Blush white, and shaded rose. Ea. 4c, doz. 35c, 100 for $2.75.

DOUBLE EARLY FINE MIXED.—An excellent assortment. Each 3c, doz. 25c, 100 for $1.50.

IOWA SEED CO.'S BEST DOUBLE MIXED.—Made from choicest named varieties. Each 4c, doz. 35c, 100 for $2.50.

SNOWDROPS

Single, doz. 15c, 100 for $1.15, postpaid. Double, doz. 25c, 100 for $1.75, postpaid.

SCILLA SIBERICA

Each 4c, dozen 35c.

JONQUILS

Of Narcissus family. Each 4c, doz. 35c.

ORNITHOGALUM

(The Great Flowered or Arabian Star of Bethlehem)—Each 10c, dozen 90c.

HYACINTHS

Single Varieties.

GERTRUDE.—Bright red. Large truss. Each 12c, dozen $1.20.

GIGANTEA. — Enormous broad spikes, blush-pink. Ea. 12c, doz. $1.20.

QUEEN OF THE BLUES.—Porcelain blue. Each 15c, doz. $1.50.

L'INNOCENCE.—Pure white; large; blooms early. Each 15c, dozen $1.50.

IDA.—Beautiful golden yellow: has large spike; best single yellow sort. Each 15c, dozen $1.50.

Double Varieties.

BOUQUET TENDRE. — A beautiful flower; deep crimson. Ea. 12c, doz. $1.20.

GOETHE.—Large, fine truss; handsome citron yellow. Ea. 15c, doz. $1.50.

BOUQUET ROYAL.—Fine light pink or blush. Extra large spike. Each 12c, dozen $1.20.

BOKSBERG.—Light blue; large spike. Color very fine. Ea. 12c, doz $1.20.

LA TOUR D'AUVERGNE.—Is very early flowering and the best of all double whites. Each 12c, dozen $1.20.

BEDDING HYACINTHS

SINGLE AND DOUBLE.

Pure white, rose and pink, red, light blue, dark blue, each 8c, dozen 80c. Yellow, each 10c, dozen $1.00. Mixed, all colors, each 7c, dozen 75c.

ROMAN HYACINTHS

The florists favorite. Much earlier in bloom than the larger Dutch sorts. Easy, quick forcing, fragrant flowers.

	Each	Doz.
Pure White	6c	$0.60
Light Blue	5c	.50
Delicate Rose	5c	.50
Canary Yellow	10c	1.00

LILIES

EASTER LILY.—Large, pure white trumpet shaped flowers. For winter blooming indoors. Ea. 20c, 3 for 50c.

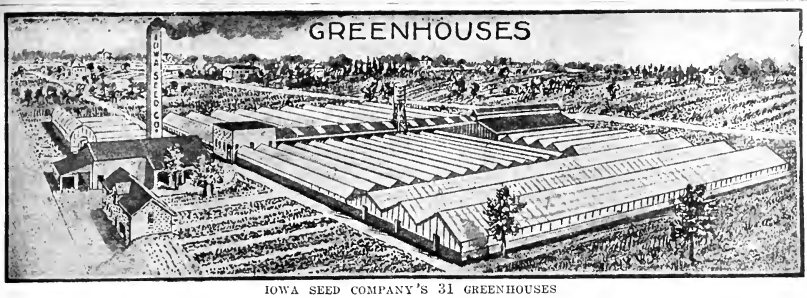
CANDIDUM. LILY. — Pure white, hardy garden lily for early blooming. Each 12c, doz. $1.20.

CHINESE SACRED LILY

Most popular of all bulbs for winter blooming; of easiest culture. A variety of Polyanthus Narcissus grown by the Chinese. Produce a profusion of bloom in about six weeks from time of planting. Foliage a luxuriant dark green color, surmounted by large, satiny white, fragrant flowers with golden yellow cup. Partly aquatic and must have plenty water. Each 15c, doz. $1.50



CHINESE SACRED LILY



IOWA SEED COMPANY'S 31 GREENHOUSES

It is now thirty years since we purchased a range of greenhouses and during the past few years we have entirely rebuilt them, adding greatly to their size each year, and we now have thirty-one large greenhouses besides a large number of steam-heated hotbeds and cold frames, giving us one of the most extensive plants in the country. We employ experienced florists to look after this branch of our business and all their time and attention is devoted to growing flower plants and bulbs exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants thus grown are much better prepared for shipment through the mails and for setting out in the open ground than those grown in the ordinary greenhouses which are kept at a high temperature. We are filling orders constantly from every state and also from Mexico and other foreign countries. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

Terms and Discounts.—At prices named we send plants postpaid except where noted. Orders must amount to at least 25 cents, for if of less amount they are filled at a loss. With each order of 50 cents or over we add valuable plants without charge.

Special Express Rates.—All express companies now carry plants at second class rates, which are about 25 per cent cheaper than ordinary merchandise.

We Guarantee plants ordered from this list to reach purchasers in any part of United States in good order by mail or express. Complaint must be made immediately on receipt of goods.

Separate Plant and Seed Orders.—Write plant order on separate sheet so it can go to greenhouse for filling.

Notice.—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered during winter for immediate shipment they will be sent at buyer's risk.



ABUTILON

SAVITZI.—A most beautiful new variegated-leaved plant. Its maple-like leaves are almost white, being blotched here and there only with clear, bright green; very large, orange-colored, bell-shaped flowers. Ea. 15c.

ECLIPSE.—A splendid variety for baskets and vases; foliage marbled green and yellow; flowers scarlet and orange buff. Each 10c.

SOUVENIR DE BONN.—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Very large, graceful drooping, orange-colored flowers. Ea. 10c.

ARTHUR BELSHAM.—Green foliage. Flowers large, dark red without markings. Tall and erect. Strong grower, free bloomer; a satisfactory variety. Each 15c.

GOLDEN BELLS.—The best yellow flowering variety; of dwarf habit. Each 15c.

ERECTA.—Color pink, changing to orange. Each 10c.

COLLECTION.—One each of six Abutilons, only 60c.



ARAUCARIA

ARAUCARIA

EXCELSA.—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green, feathery foliage arranged in whorls—rising one above the other at regular distances—makes it a plant of rare value for decorations. By mail, each $1.00; large, by express, not prepaid, $1.50 and $2.00.

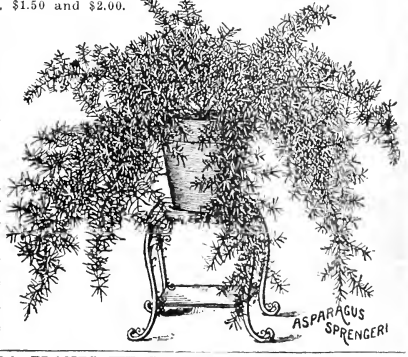
ASPARAGUS

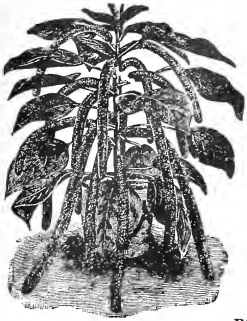


ASPARAGUS PLUMOSUS NANUS

PLUMOSUS NANUS. — One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown, even in a north window. Leaves bright green, gracefully arched, and as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks. Each 10c; large 25c.

SPRENGERI.—A splendid new plant for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds which, in a short time, make a growth of 3 to 6 feet, forming an exquisitely handsome and striking picture. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants each 10c; large size each 25c.





CHENILE PLANT

ABELIA

CHINENSIS GRANDIFLORA.—A graceful small shrub producing an abundance of white heather-like flowers the entire summer. Ea. 15c.

ACALYPHA

BICOLOR.—Brighter and more attractive for bedding than Coleus. Leaves bright green margined with band of lemon yellow, dotted and splotched with the same color. Highest coloring in sunny situations. Each 15c.

TRICOLOR.—Mottled and blotched with crimson and scarlet on green background. Foliage extra large and maintains its markings best in summer heat. Each 15c.

MARGINATA.—Foliage bronze green, margined with bright pink on edges of the leaves. Contrast pleasing and attractive. Each 10c.

SANDERI.—(Chenile Plant.)—A most striking ornamental plant of branching habit. The flower spikes, which appear in pairs from the axis of the leaves, grow 2 to 3 feet in length. They are bright crimson and mix among the green foliage with charming effect. Desirable both outdoor and in. Each 15c.

ONE EACH, FOUR VARIETIES ACALYPHA, POSTPAID, FOR 45c.

AGERATUM

PRINCESS PAULINE.—A most distinct and novel variety, of dwarf, compact habit, rarely exceeding 5 inches in height. Both colors, blue and white, are combined in one flower. Free flowering the entire season and very bright and pretty. Each 10c; doz. $1.00.

QUEEN ALEXANDRA.—Beautiful shade of dark blue; flowers extra size. Gives delightful effect for border of bright colored beds. Each 10c; dozen $1.00.

INIMITABLE.—This is a light blue-lavender shade. Handsome. Ea. 10c.

WHITE SWAN.—Pure white sort; fine for borders or beds. Each 10c; doz. 75c.

LITTLE BLUE STAR.—Very dwarf; growing 6 to 8 inches; continuously in bloom all summer. Each 10c; doz. 75c.

STELLA GURNEY.—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf, compact growth. Each 10c; doz. $1.00.

ONE EACH OF SIX AGERATUMS NAMED ABOVE FOR ONLY 50c.

ASTER PLANTS

BEST VARIETIES MIXED.—Price is low and you should have a fine bed of these. Doz. 25c; 100 $1.50, prepaid.

PURITY WHITE.—Doz. 30c; 100, $2.

ENCHANTRESS PINK.—Per doz. 30c; 100 for $2.00.

CARDINAL RED.—Per doz. 25c; 100 for $1.75.

ROYAL PURPLE.—Doz. 35c; 100 $2.25.

12 EACH OF ABOVE FOUR COLORS FOR ONLY $1.00.



ENCHANTRESS ASTER

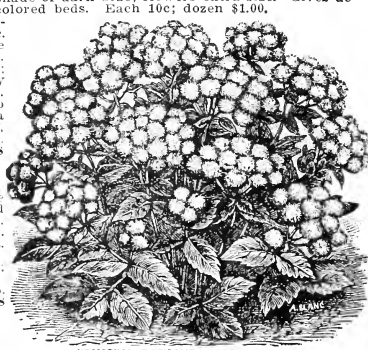
BOUVARDIA

ALFRED NEUNER.—The ideal Bouvardia. A strong grower, producing clusters of most beautiful, waxy, double, pure white flowers. Is of greatest value for winter blooming. Each 15c.

PRESIDENT GARFIELD.—A sport from Alfred Neuner, with the same double flowers but differing in color, which is a clear, rosy pink. Desirable. Each 15c.

HUMBOLDTI.—Similar to above; flower white. Each 10c.

COLLECTION—ONE EACH THREE BOUVARDIAS, 30c.



PRINCESS PAULINE AGERATUM

ALTERNANTHERA

Bright colored, dwarf growing foliage plants, used for carpet bedding, borders, etc. An effective plant for special designs in large beds, for lettering and small figures. Any variety, each 10c, dozen 50c, 100 for $3.50.

AUREA NANA.—Foliage bright yellow.

BRILLIANTISSIMA.—Brightest of any red; is striped crimson and green.

PARYCOIDES MAJOR.—Dark red with green and yellow stripes.

ROSEA NANA.—Dwarf; rosy crimson foliage.

VERSICOLOR.—Olive green, chocolate and crimson.

ACHYRANTHES

Beautiful foliage plants; useful for carpet beds and masses. Stand heat and sun without losing color and shear without injury. Four kinds. Ea. 10c; dozen 75c; 100 for $6.00.

DE BAILEY. — Red and green, brown leaf.

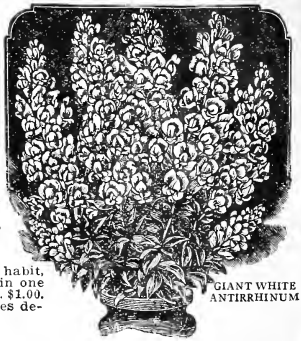
COLLINSII. — Green and yellow, narrow pointed leaf.

LINDENI.—Dark purple, narrow pointed leaf.

EMERSONII. — Purplish crimson, round leaf.

ARTEMESIA

STELLERIANA. — Sometimes called Old Woman. Also known by some as Dusty Miller. Fine for borders or bedding on account of clear white foliage. Each 10c; doz. 75c.



GIANT WHITE ANTIRRHINUM

ANTIRRHINUM

GIANT WHITE.—An especially fine variety of the Giant Snapdragon. Perpetual bloomer, producing dozens of long spikes of beautiful pure white flowers. Its blooms will last two weeks. Each 10c; dozen $1.00.

GIANT YELLOW.—Like white, but color is pure lemon yellow. Each 10c; doz. $1.00.

GIANT WHITE AND YELLOW.—Flower white with yellow lip. Each 10c; dozen $1.00.

KILLARNEY PINK.—The peculiar pink shade seen in the Killarney rose. Each 15c; doz. $1.50.

GIANT RED.—Bright, brilliant flower; offered special to complete collection. Each 10c; doz. $1.00.

ONE PLANT EACH OF THE FIVE COLORS IN ANTIRRHINUM, POSTPAID, FOR 40c.

ANTHERICUM

VITATUM VARIEGATUM.—An ornamental grass-like plant for vases or borders. Leaves about an inch wide, bright green, edged white. Each 10c; doz. 75c.

ARTILLERY PLANT

A neat little plant resembling some ferns. Graceful habit makes it suitable for baskets and vases. Each 10c.

Note the Special Offers, Page 108.



ALFRED NEUNER BOUVARDIA

BEGONIAS

Begonias are greatly prized by lovers of house plants generally. The Rex types are perhaps the most magnificent of all foliage plants, while many of the flowering sorts present a most wonderful mass of blossoms, and all are beautiful.



LOUISE ERDODY BEGONIA

COUNTESS LOUISE ERDODY.—This variety is sometimes called "Small Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full-grown leaf there are four of these twists lying on top of the leaf nearly 2 inches high. The leaf has a metallic luster, dark silvery in the center, shading to coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 25c.

REX.—The Rex or King Begonia may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. There are many different varieties, presenting a great range of beautiful markings and splendid color effects. Best results in moist and shaded situations, making it the very finest plant for household decoration. We have a particularly choice stock of these, including many different kinds, and we are sure they will please. Each 20c. Large specimen plants 40c.

MADAM De LESSEPS.—Has very large leaves of silky texture beautifully spotted with silver. Flowers pink and white. Each 15c.

PRESIDENT CARNOT.—Bears large panicles of beautiful coral red flowers. Upright grower; foliage green above, purplish red underneath. Handsome leaf. Each 15c.

PROFUSION.—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 10c.

BEEFSTEAK.—(Warscewicl.)—Old fashioned sort with thick, round leaf; deep green above, red underneath. Always popular. Each 15c.

ALBA PICTA.—Leaves of a glossy green color, thickly spotted with silvery white. Flowers white. Each 15c.

METALICA.—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each 15c.

RUBRA.—This fine variety is a constant bloomer. Heavy, waxy green leaves. Flowers rosy scarlet. Each 15c.

VERNON.—Of unusual value for bedding, as it will stand the hot summer sun. Flowers of pink, blush and brilliant red, foliage sometimes margined with bronze purple. Each 10c; dozen 90c.



THURSTONII BEGONIA

THURSTONII.—A stately growing variety with handsome glossy leaves. Remarkably fine foliage, the under side of the leaves being rich purplish red, with prominent veinings. Upper side bronzy green, shaded crimson and olive and a metallic luster over all. Flowers rosy white, in clusters. Each 15c.

FUCHSOIDES COCCINEA.—Bears a multitude of bright scarlet flowers. A fine plant of good habit and robust growth. Each 15c.

HAAGEANA.—Flowers rosy pink, bright and attractive. Plant tall. Shrubby with hairs on stems and leaves. Each 15c.

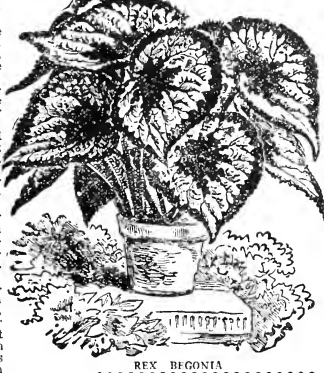
McBETHII.—Foliage fine, fern-like. Panicles of pure white flowers produced in the greatest profusion. It is a most persistent bloomer. Each 10c.

SANDERSONII.—A variety growing in compact, bushy form, with deep, glossy green leaves and scarlet flowers in drooping clusters. Each 15c.

MINIATA.—A beautiful variety of upright bushy style of growth; flower bright scarlet. They are very free flowering. Each 10c.

NITIDA.—White flowers, delicately suffused rose, produced in good sized clusters of large flowers. Each 10c.

ARGENTEA GUTTATA.—Has purple bronze leaves with silvery markings. The flowers are white. A very vigorous, strong growing variety of the easiest culture and always satisfactory. It is an old, well known variety but still popular. Each 10c.



REX BEGONIA

Beautiful Begonia Collection

One Rex, one Alba Picta, One Argentea Guttata, one McBethii, one Thurstonii, one Miniata, one Madam DeLesseps; seven fine plants covering nearly all the distinct types of Begonias and offering a wide range of beauty for only 75c, postpaid.



VERNON BEGONIA

TUBEROUS BEGONIA

SINGLE TUBEROUS ROOTED.—Giant flowering tuberous rooted begonia which has been brought to wonderful perfection. Flowers sometimes grow 6 in. in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white, pink, scarlet, crimson and yellow. Each 10c, doz. 75c.

DOUBLE TUBEROUS ROOTED.—Shows the same shades and markings as the single flowered tuberous sorts. A few doubles and singles intermingled and showing a mixture of colors, will make a beautiful summer bed of bright flowers. Bulbs each 10c, doz. $1.00.



ARGENTEA GUTTATA BEGONIA



BRYOPHYLLUM.

BOUGAINVILLEA

SANDERIANA.—This beautiful flowering plant is very popular. It is of strong and rapid growth and the brilliant, rosy crimson blossoms are produced from early in March until midsummer, in fact, a plant will frequently cover the greater part of the year. Altogether, it is a most desirable subject for the conservatory or window garden. Each 15c.

W. K. HARRIS.—This is very similar in manner of growth to the above, with additional beauty of variegated foliage. Each 25c.

BROWALLIA

MAMMOTH.—The most beautiful of all the Browallias. Plants grow only about a foot high, forming dense little bushes, covered with an abundance of most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 15c, dozen $1.25.

BRYOPHYLLUM

A most curious plant. Leaves thick and heavy and when cut and placed in moist soil little plants start from notches in them and make strong plants in very short time. Flowers look like long, green, red striped pods, through which breaks a pointed tube of dull red shade. Each 10c.



BOUGAINVILLEA.



MAMMOTH BROWALLIA.

CAREX

JAPONICA VARIEGATA.—An ornamental Japanese grass which is extremely useful as a basket plant; of easy growth, standing the heated rooms with impunity, and hardy if placed out in the garden. Leaves striped with white. Each 10c.

CENTAUREA

GYMNOCARPA.—(Dusty Miller.)—A dwarf, silvery foliaged plant used largely for ribbon beds or borders. Each 10c; doz. 75c.

CACTUS

NIGHT BLOOMING CEREUS.—This gorgeous cactus bears abundant pure white blossoms measuring twelve inches across. A plant loaded with these flowers is a sight never to be forgotten. Blooms at night and is very fragrant. Better order one and call your neighbors in to see it bloom. This is the true round stemmed variety and not the common flat leaved sort. Each 15c, large 35c.

CHRISTMAS CACTUS.—Epiphilum.—Also known as Lobster Cactus. Stems branching and hanging in bunches. Flowers bright red; blooms freely. Each 15c.

COCOLOBA

An upright growing plant with beautiful foliage and curious flat, jointed stems. Each 10c.



NIGHT BLOOMING CEREUS.

CYCLAMEN

GIANT FLOWERED.—Most beautiful and decorative of all pot plants, for winter and spring blooming. Foliage broad, massive and graceful, of dark green, beautifully variegated with silver and rose. The immense, fairy-like flowers are carried on long stems and produced in profusion for several months; quite fragrant. Assorted colors. Each 15c, extra large size 25c.



CYCLAMEN.

CRAPE MYRTLE

A very pretty shrub which is hardy in the South but is usually grown in large pots or tubs in this latitude so that it can be taken into a cellar in the winter. Produces a profusion of delicate soft pink flowers. Each 15c, large 30c.

CHRISTMAS PEPPER

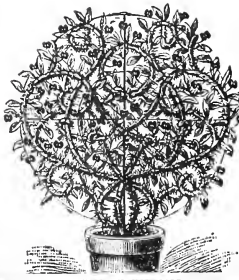
Surprisingly pretty house plant. A round, compact bush 12 to 15 in. in height with dark olive green leaves and covered with curious little heart-shaped fruits of bright colors—purple, white, yellow, orange and red on the same bush. Fruits are edible as the small common garden peppers. Each 15c.



CHRISTMAS PEPPER

CROWN OF THORNS

EUPHORBIA.—Very curious and remarkable window plant. Strong-growing plant that can be trained over any desired form. Bright scarlet flowers. An object of rare and striking beauty. Easily grown. It grows wild in Judea, and it is said that it was from this plant that the crown of thorns was made which was worn by our Savior, and it is therefore of special interest. Each 20 cents.



CROWN OF THORNS

I received the plants in fine shape for which I am very thankful and appreciate your kindness very much.—Mrs. H. A. Remnager, Hatley, Oregon.

Received the plants last night all in fine order. I am more than pleased with them and thank you for the extra ones. Mrs. C. L. Bates, Hastings, N. Y.

CARNATIONS

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. They are easily grown and bloom freely.

BENORA.—A handsome variegated variety, color white with irregular streaks of red. A beautiful composite flower which is very popular. Each 15c.

BONFIRE.—The best scarlet to date. Free bloomer, producing long stems, and flowers of good size and substance. Each 15c.

COMMODORE.—A charming shade of crimson scarlet, differing from any other variety, and to our minds of special beauty. Ea. 20c.

DOROTHY GORDON.—This is of the Rose Pink Enchantress type, but is a more even shade of pink, and is the most vigorous of the Enchantress class. Each 15c.

ENCHANTRESS.—A charming variety of immense size and delightful blush pink color. The original of the popular Enchantress type of carnation, which is the favorite with all florists. Each 15c.

HARLOWARDEN.—A bright, dazzling crimson flower; a very free bloomer, bearing flowers on long stems, making it very desirable as a cut flower. Very popular with florists and a splendid variety for the amateur. Each 15c.

J. W. RILEY.—We consider this elegant new variety the best yellow flowered sort ever sent out. It is nearly pure yellow, being faintly striped with red. Flowers large, very double and produced abundantly. Each 15c, dozen $1.50.

MRS. THOMAS W. LAWSON.—The immense pink variety for which Mr. Lawson paid $30,000, the highest price ever paid for a plant novelty in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 10c.

MRS. C. W. WARD.—This is a beautiful pink shade, somewhat lighter than Mrs. Lawson, but is of better growth, more vigorous and thrifty than that popular variety. Each 15c.

PROSPERITY.—One of the largest carnations of any color ever offered. Flower four inches across, with a delightful clove fragrance. Color is a pure white, overlaid with shadings of soft pink. Each 15c.

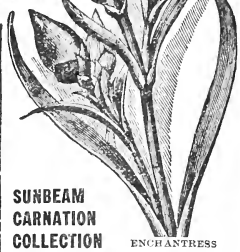




ENCHANTRESS CARNATION COLLECTION

Five extra large flowering sorts of different colors:
Enchantress.—Pink.
White Enchantress.
Rose Pink Enchantress.
Harlowarden.—Crimson.
Bonfire.—Bright red.
One each of above 50c.

ROSE PINK ENCHANTRESS



SUNBEAM CARNATION COLLECTION ENCHANTRESS

Our Sunbeam Carnation Collection is our special floral offer for this season and the varieties in this collection are selected for this offer because of extra quality. The collection is made up of six choice varieties of different colors:

J. W. Riley.—Golden yellow, slightly striped crimson.
Ruby.—Bright ruby red.
Windsor.—A very pure light pink.
Prosperity. — White, overlaid pink.
White Wonder.—Large pure white.
Scarlet Glow.—Best scarlet.
One each of these varieties postpaid for **only 60c.**





WHITE ENCHANTRESS AND HARLOWARDEN

PRINCE CHARMING.—A beautiful shade of pink, with a satiny finish that makes it a dainty and distinct blossom. Very early, free flowering and rugged growth. Each 15c, dozen $1.50.

ROSE PINK ENCHANTRESS.—This elegant new variety, which is a sport from Enchantress, has created a great furore among florists and has captured the best prizes at flower shows. It is of extra large size and of beautiful rose color. Each 15c.

SCARLET GLOW.—A very beautiful carnation, intensely brilliant red, of fine form and substance, fragrant and lasting. Preferred among red carnations for its brightness. Each 15c; doz. $1.50.

VICTORY.—Many carnation growers say it is the finest scarlet color of any carnation. Even when the flowers are aged they seem to retain their bright color. It is very easy to grow and for that reason is a favorite with amateurs. Vigorous in habit and a very free bloomer. Each 15c.

WINDSOR.—Clear, silvery pink. A beautiful, distinct shade of color which is sure to please. A large-flowered sort, free blooming and desirable. Each 15c.

WHITE ENCHANTRESS.—One of the finest white carnations. In type and habit like the original Enchantress. Flowers extra large and of purest color. Strong grower and profuse bloomer. Each 15c.

WHITE LAWSON.—Like the original Mrs. Lawson in size and manner of growth, but pure white. Each 15c.

WHITE PERFECTION.—Is pure white. Blooms three inches and over in diameter. Beautifully fringed; fragrant; exceedingly free blooming; early and continuous; vigorous; the stems are stiff. Each 15c.

WHITE WONDER.—Large, nicely filled flowers of the purest white. Not only good for large sized blooms when given special care, but they are valuable for garden planting and pot culture. Very sweetly scented with that delightful old-fashioned clove fragrance lacking in many of the newer carnations. Each 15c; dozen $1.25.

CHRYSANTHEMUMS

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class. Attract universal attention at great flower shows on account of large size, exceptionally fine shape, and handsome colors. Their large size is of course especially noticeable when grown as a single stem and only one flower is allowed to develop on each plant.

Tri-color Chrysanthemum Collection

Extra Early Blooms of Large Size.

POLLY ROSE.—The earliest of the pure white sorts. Each 15c.

GOLDEN GLOW.—The earliest of all. Described below on this page. Each 15c.

GLORIA.—A superb extra early clear pink. The earliest pink. Each 15c.

ONE EACH OF THE ABOVE THREE EARLIEST KINDS — BLOOM BEFORE FROST — POSTPAID, 35c.

GOLDEN WEDDING.—An old standard sort. Flowers of deep golden yellow, 10 to 12 in. across, petals long and broad. Each 10c.

SILVER WEDDING.—Of same type as above, with pure white flowers. A popular standard sort and fit companion for the Golden Wedding. Each 10c.

YELLOW EATON.—An immense flower of a bright golden yellow color. One of the finest varieties of this color. Each 15c.

ROBERT HALLADAY.—One of the most popular of yellow sorts, because of early bloom and unique flower. Strong, vigorous plant with bloom of large size. Each 15c.



ROBERT HALLIDAY

DR. ENGUEHARD.—A mangificent new variety of very large size and solid appearance. It is a true bright pink, one of the largest and best ever introduced; is handsomely incurved and very pleasing in appearance. Blooms early in November and makes a splendid pot plant with stiff stem and healthy foliage. Each 15c.

MRS. BUCKBEE.—Fine, large and pure white; incurving with outer petals reflexed. Sure to give satisfaction. Each 15c.

MARY ANN POCKET.—A dwarf bushy grower, making a fine pot plant. Color a beautiful Indian red on opening, with a bronze reverse. As the flower ages it gradually incurves until it becomes a ball of bronze. Each 15c.

IVORY.—This fine old ivory white variety is still popular. Is the equal of the newer sorts and is a very fine sort for the amateur. Each 10c.

TIMOTHY EATON.—A globular Japanese incurved variety of perfect form and growth. Color pure white when fully developed. A prize winner at all shows last fall. Each 15c.

PERCY PLUMRIDGE.—Buttercup yellow. A Japanese incurved variety with bright, shining color, attracting special attention and winning prizes at leading shows. Each 15c.

MLLE. C. TOUSETT.—A glistening white sometimes with pearl tints. Petals very broad, incurved. A variety sure to give results to the amateur. Each 10c.

A. J. BALFOUR.—A grand Japanese variety, one of the finest bright dazzling rose pink; nothing to touch it in color. Each 15c.

GOLDEN AGE.—One of the best of the solid yellow 'mums. Color, habit and form all that might be desired. Will prove a favorite. Each 15c.

JOHN SCHRIMPTON.—A rich velvety crimson. One of the finest red chrysanthemums. Splendid form and habit. Each 15c.



MARY ANN POCKET



GLORIA

GOLDEN GLOW.—The earliest of the mammoth yellow flowered sorts. Easily grown and very desirable for the amateur. Offered specially in Tri-color Collection, top of page. Each 15c.

WINTER CHEER.—Mammoth flower often 7 inches in diameter. This is one of the leading pink varieties, popular because it has real merit. Blooms compact, of great substance and clear color. Each 15c.

CRIMSON TANGLE. — A beautiful red flower with narrow petals, curled and twisted in a lovely manner. A fine variety. Each 15c.

POLLY ROSE.—One of the very best early white varieties; a great favorite with florists. Blooms in midsummer. Each 15c.

BLACK HAWK. — A dark, velvety crimson. No reverse is noted as the petals are solid color. Form recurved, solid. Each 15c.

JAPANESE CHRYSANTHEMUM COLLECTION

Our superb offer of the finest large Chrysanthemums selected from the entire list as the choicest for home blooming. See page 108.

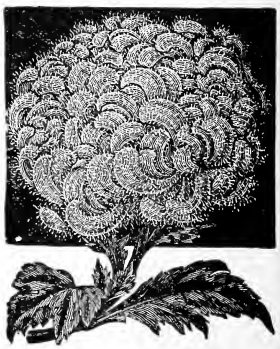
SUPREME.—A mammoth flowered variety, bright shining pink in color, strong and vigorous in growth. Very early and fine for a pot plant. Each 15c; 3 for 40c.

HARVARD.—A new crimson chrysanthemum of splendid form and magnificent full double solid flowers. Offered as the best red sort. Each 20c; 3 for 50c.

EARLY SNOW.—The earliest of the large pure white sorts. Comes into bloom in September and is valued for its splendid form and it adapts itself readily to amateur culture. Each 20c; 3 for 50c.

CHRYSOLORA.—A splendid yellow-flowered chryanthemum of perfect form and bright color. Large size and strong grower. Each 15c, 3 for 40c.

One plant each of the above four Japanese Chrysanthemums, only 50c.



LOUIS BOEHMER

OSTRICH PLUME SET

WHITE SWAN.—This is an exquisitely beautiful variety with grand pure white flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Strong and vigorous plant. Each 15c.

LEO CADIE.—The best yellow Ostrich Plume. A splendid deep golden color and by many named as finest of its class. Each 15c.

LOUIS BOEHMER.—Like above, but of a deep pink color; fine. Each 15c.

One each of the three varieties Ostrich Plume for only 30c.

SINGLE CHRYSANTHEMUMS

BELLE OF WEYBRIDGE, chestnut; **CECIL DENYER,** milk white; **LADYSMITH,** pink; **GOLDEN STAR,** yellow; **WYNDHAM,** pure white.

Any of these 10c each; or will mail the entire five for 40c.

POMPON CHRYSANTHEMUMS

These small 'mums are popular again; give showers of bloom after most other flowers are gone.

NIO.—Delicate pink.

ZENOBIA—Golden yellow.

BABY.—Smallest yellow.

PANAMA.—Dark red.

LULU.—Fine white.

Any of the above each 10c; per doz. 75c. One each of five named for 40c.

COLEUS

Whoever has been in our large city parks will never forget the ornamental beds, curving and quaint designs and mingling arabesques of all colors—which look like varicolored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following include the very best varieties.

PRICES.—All of the varieties of coleus named below each 10c; doz. 75c. Mixed varieties suitable for bedding, unnamed, 60c per dozen; $4.00 per 100, postpaid.

ADMIRAL DEWEY.—A better bedder and a brighter color than Verschaffeltii; color a bright crimson, edged maroon.

ANNA PFISTER.—Pointed leaves with deep scalloped edges. Color bright golden yellow intermingled with green and crimson. Of dwarf and compact but spreading habit.

BECKWITH'S GEM.—A new sort of striking appearance. The large leaves have fine scalloped edges. It shows four shades of color, center maroon, bordered red; edge green with point of yellow.

BIZARRE.—A striking variety, with leaf center of bright crimson and edged green and gold.

CHAMELEON.—Combining numerous shades of color in the leaf in such way as to form a specimen of great beauty.

CRIMSON BEDDER.—Purplish crimson.

DUNCHA.—Crimson, with maroon center and scalloped light red edge. A fine, showy variety.

FIRE CREST.—Bright crimson, with slight golden yellow edge, blotch of deep bronze in center. Splendid.

GOLDEN BEDDER.—Color yellow. This is the best yellow coleus for bedding; deep gold in the sun.

GRACE ADAMS.—Green leaf with red crested edge. An attractive variety.

JAMES BRADSHAW.—A fine, showy variety with striped leaf showing colors of crimson and yellow.

JOHN PFISTER.—Like Anna Pfister in growth but bright crimson color; edged with gold.

MRS. F. SNYDER.—Large, creamy white center, bordered with green; blotched crimson and purple; fine for pots.

PERFECTION.—Bright crimson with yellow border.

PROGRESS.—Beautifully mottled red, green and bronze. A charming combination of colors.

MRS. JOHN BOEHMER.—Rich maroon bordered with golden band. Large pointed leaf.

SUNSET.—Center of leaf brownish purple shading to crimson; edge yellow.

TRAILING BEAUTY.—Trailing habit. Serrated leaves of fiery crimson, zoned deep maroon and edged green.

VERSCHAFFELTII.—The oldest, still one of the best; rich, velvety crimson.

CARPET COLEUS BED

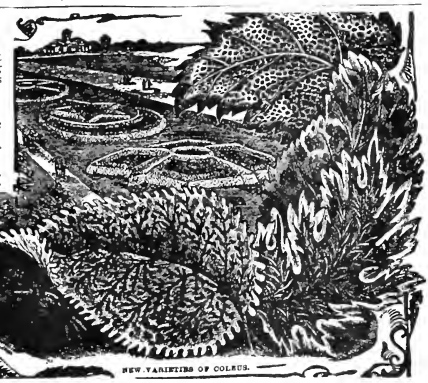
Fifty choice plants selected by us in varieties to produce a beautiful bed of colors, prepaid only $2.00.



Farfugium Grande.



GREVILLEA OR SILK OAK



NEW VARIETIES OF COLEUS.

CUPHEA

PLATYCENTRA.—(Cigar Plant.)—The old-fashioned cigar plant with narrow, tubular flowers of scarlet tipped with purple. Popular because always in bloom; bright and attractive. Each 10c.

CYPERUS

UMBRELLA PLANT.—Listed and described by us with aquatic plants illustrated on page 130. It is very successfully grown as a pot plant, but requires plenty of water. Each 10c, large 25c.

DRACENA

INDIVISA.—(Fountain Plant.)—Quite generally listed among palms. It is a decorative plant about 2 feet high, with slender, drooping green leaves, long and narrow. Each 15c, large 25c.

DOUBLE DAISY

Very double pure white and pink flowers. Blooms freely and makes a fine plant for beds alone or with pansies. Ea. 10c, doz. 60c.

ECHEVERIA

A little, succulent plant, commonly called "Old Hen and Chickens." Used in parks and cemeteries for ribbon beds and borders. Each 10c; dozen $1.00.

EUCHARIS

AMAZONICA.—A splendid plant for indoor blooming. Sends up stalks bearing several pure white, star-shaped flowers, delightfully fragrant and often 4 inches across. Fine for cutting. Each 30c.

EUONYMUS

RADICANS VARIEGATA.—A nice upright grower which may be used to cover walls or as a climber. Foliage green, edged white. Each 15c.

ELECTRIC LIGHT PLANT

A very showy plant, belonging to the Cleome family, which blooms constantly from July until killing frosts. Desirable either for specimen plants or bedding; four to six feet high. Each 10c; doz. 75c.

FARFUGIUM

GRANDE.—(Leopard Plant.)—A beautiful ornamental foliage plant for planting in open border, or in shaded position; leaves 4 to 8 inches in diameter, of thick, leathery texture, dark green with bright yellow spots. Each 15c.

FEVERFEW

IDEAL.—Originated on our place and is far superior to the older sorts. It is a vigorous, strong-growing plant bearing large clusters of unusually large flowers, which are pure snowy white without any yellow shading or center. Fine for bedding or cemeterics, producing a succession of bloom. Ea. 10c, doz. 75c.

FORGET-ME-NOT

Everyone loves the charming little Forget-Me-Not and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and thrive year after year. Each 10c, doz. 75c.

GREVILLEA

SILK OAK.—One of the quickest growing of ornamental house plants. Easy to manage, grows rapidly and is pretty in all stages of growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. Young growths are light bronze color, the tips covered with soft down resembling raw silk. Ea. 15c.

GENISTA

SHOWER OF GOLD.—A most desirable plant. The drooping branches are covered with delicate sage-green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.



ELECTRIC LIGHT PLANT

FERNS

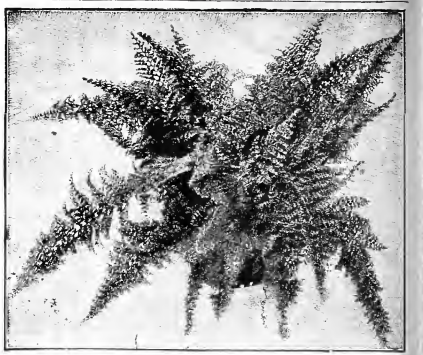
FLUFFY RUFFLES.—(Superbissima.)—A new upright growing variety, darker and richer in color than any other fern in our list. Fronds are as finely cut as the Whitmani or Elegantissima varieties, and exceeds either of these sorts in robust, hardy growth. The vigor, habit and color of this fern are so far superior to ordinary sorts that it will delight every lover of fine ferns. Each 25c.

BOSTON FERN.—(Improved Sword Fern.)—This is a wonderfully healthy, rapid growing and graceful house plant which has been in great demand everywhere, and many people buy it in preference to the finest palms or rubber plants. Thrive in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants, being of easy culture, and its sword-like fronds, on large specimens, attain the length of 5 to 6 feet, produced in bewildering mass, arching, curving and interlacing in every conceivable direction. Each 15c; large plants 25c and 50c.

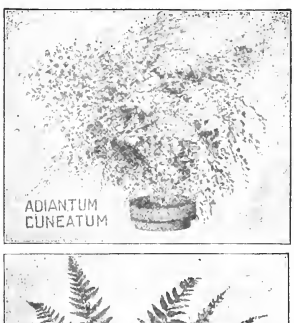
ROOSEVELT.—An improved variety of Boston Fern, much more striking and attractive than the parent sort. It produces a greater number of fronds than the Boston, appearing more compact, bushier and handsomer. Fronds have undulating pinnae, giving them a wavy appearance not seen in any other fern. Very highly recommended by experts for its hardiness and beautiful appearance. It is our choicest recommendation of Boston Ferns for individual pot growing as an indoor decoration. Ea. 20c, large 50c.

WHITMANI.—Combining all the graceful pluminess and charm of Elegantissima, with additional features of shape, size and growth that give it distinguishment and added commercial value. Whitmani is of more dwarf growth, but equalizes matters by compactness, and a wider, stockier shape. The fronds, although even more fine-cut, are more erect and less liable to revert to the original Boston type. Each 20c; large 50c; extra fine specimens $1.00.

ELEGANTISSIMA.—This is a sport from the well known Ostrich Plume fern in which the plumy peculiarity of the original form is even more distinctly developed, the side pinnae being again subdivided, making both sides of the frond equally beautiful, while at the same time the plant is of much more compact habit, growing only one-half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. They are quite rare. Each 15c; large 50c.



FLUFFY RUFFLES FERN



BABY'S BREATH.—(Goodeil.)—An elegant small Ostrich Plume fern. Fully equal to the best of this type in pluminess and graceful form, but far more dainty and exquisite. The bright color, feathery fronds and elegant form make it a very notable specimen in any collection. A variety of recent introduction which gives promise of great popularity. Each 15c, large 50c.

SCHOLZELI.—This is a new type of Ostrich Plume fern, growing compact and bushy after the manner of the Scott variety. A very fine and satisfactory sort. Each 15c.

ASPARAGUS FERNS.—Both the Asparagus Plumosus Nanus and Sprengeri, commonly known as Asparagus Ferns, will be found illustrated and described on page 91.



OSTRICH PLUME FERN COLLECTION

BABY'S BREATH.—Dainty Ostrich Plume fern of finest habit.

ELEGANTISSIMA.—More delicate and finely divided than the above.

ROOSEVELT.—The compact, wavy type of the original Boston or Sword Fern.

SCHOLZELI.—The compact, wavy type of the Ostrich Plume varieties.

ONE EACH FOUR FINE OSTRICH PLUME FERNS POSTPAID TO YOUR ADDRESS FOR ONLY 50c.



DAINTY SMALL FERNS

JAPANESE FERN.—(Onychium Japonicum.)—A very graceful small variety growing in similar form to the well known Asparagus Fern. Each 15c.

MAIDEN HAIR FERN.—(Adiantum Cuneatum.)—Very popular. The most graceful and useful of all for cut flower work. Each 15c.

HOLLY FERN.—(Cryptomium Falcatum.)—Rather broad, dark, glossy green foliage. Quite easily grown, very ornamental. Each 15c.

MOSS FERN.—(Selagnellia Emilliana.)—Also called Lycopodium. Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 15c.

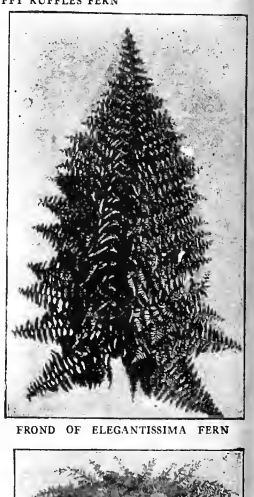
CRESTED FERN.—(Pteris Wimsetti.)—One of the most popular of the small ferns. Striking lanceolated foliage; upright growth. Each 10c.

DAGGER FERN.—(Aspidium Tsussimense.)—A miniature sword fern. Specially adapted to small ferneries or fern dishes. Each 15c.

SILVER FERN.—(Pteris Victoriae.)—One of the newer sorts with lovely foliage, each leaf of which has a silver variegation through the center. Each 20c.

DAINTY FERN COLLECTION

One each of the above seven fine table ferns, a most beautiful collection, only 75c.



FROND OF ELEGANTISSIMA FERN



AIR PLANT

AIR PLANT

An exceedingly beautiful green, feathery, plumy moss, prepared from dried seaweed. Has every appearance of a most delicate fern and retains its beauty and fresh appearance for an indefinite period. Is much used in small baskets and fern dishes, usually containing two to four bunches. Our stock is far superior to the grade commonly sold. Per bunch 20c; 3 bunches for 50c.

FUCHSIAS

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens. The most important points in the management of the Fuchsia is to keep the plants well watered and nourished. They should be kept away from excessive sunlight and heat. They respond splendidly to strong fertilizing.

ELM CITY.—A popular variety and one of the best; tube and sepals bright coral red; large double purple corolla; blooms all year. Ea. 10c.

MONARCH.—This is by far the largest of the single varieties. Its immense blooms are a very dark purple. Single fuchsias are most graceful and are preferred by many to the double varieties. Each 10c.

TRAILING QUEEN.—Of beautiful trailing habit, growing to the edge of the pot and drooping down. A well grown plant is a solid mass of beautiful foliage and flowers. Fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

F. CAPPEE.—This giant flowered variety comes from France, where the improvement of the fuchsia is given particular attention by a number of leading florists of that country. It is really a wonderful sort, producing blooms of exceptionally large size with superb coloring that attracts and delights the eye with its glorious hues. The tube and sepals are of bright, glowing crimson, while the corolla is of very rich violet purple, very double and widely extended. Plant is strong, vigorous grower, making a handsome pot plant. Each 15c.

GUSTAV NADAUD.—Sepals very brilliant; corolla double purple. A giant-flowered sort of unusual beauty. A strong, free grower. Each 15c.

LITTLE PET.—A little beauty, the plant being covered with a profusion of small pink and purple flowers. Each 15c.

MARY.—A great novelty. Large clusters small but very long, single, bright coral red flowers. If you like fuchsias you must have it. Each 15c.

EMPEROR.—This is known also as the single phenomenal because of the immense size of the blooms. It is an exceptionally strong grower, and bears very large dark purple blooms. Each 15c.

ROSE OF CASTILE.—A lovely variety having bright rose sepals and purple corolla. Contrast is beautiful and the plant is well formed and good grower. Each 15c.

STORM KING.—The standard contrasting variety with red sepals and double white corolla. The most popular type and this is the original form. Our illustration of a single flower gives but a faint conception of its great beauty. It is a general favorite and pleases everyone who loves fuchsias. Each 10c.



PHENOMENAL



BLACK PINCER MONARCH STORM QUEEN TRAILING QUEEN F. CAEPPE ELM CITY EMPEROR

FIVE FANCY FUCHSIAS, 50 CENTS

Graceful, Attractive Plants with Delightfully Brilliant Blossoms

A DAINTY ADDITION TO HOME COLLECTION

If you are a lover of flowers you should have this fuchsia collection. They are distinctive in form and coloring and add greatly to the charm of a choice collection of plants by the loveliness of both plant and flower.

WHITE PHENOMENAL.—The grandest double white variety in existence; should be in every home. Flowers are enormous size, sepals bright carmine, with large, pure white, double corolla. Each 15c.

PHENOMENAL.—Enormous flowers, a single one measuring 3 inches across; sepals bright scarlet, rich purple corolla, very double, flaked with red. Grows upright, and with strong, vigorous trunk, making a handsome plant. Each 10c.

BLACK PRINCE.—Of upright and robust growth and generally most satisfactory of all fuchsias for the amateur, as it seldom fails to bloom profusely and grow in good form and symmetry. We once had a plant of this variety in our greenhouse that grew a perfect shaped shrub 7 feet high and was loaded with fully 2,000 blossoms at one time. Tube and sepals bright carmine, sepals large and broad with pale green tips; large, violet pink corolla. Each 10c.

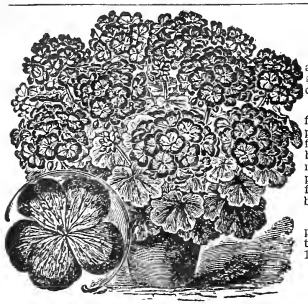
SUNRAY.—A lovely plant, with pretty blossoms of delicate and pleasing colors, with added attractiveness of divers colored foliage. A novelty in the fuchsia family, because common varieties are wanting in the variegated foliage which adds so much to the beauty of Sunray. The colors of the sunset, clear yellow, golden bronze, and red, are combined in the most effective way to make a pretty house plant. Flower is pink or deep rose sepals with bright carmine corolla. Each 20c.

SPECIOSA.—An old favorite, greatly prized for its profuse blooming qualities. Sepals of the flowers are more elongated than other sorts, and of soft, rosy pink color. Corolla is single form, carmine crimson color, making a beautiful and pleasing blossom. A well grown plant in bloom is a veritable flame of color, and the dainty flowers mingling among glossy green foliage produces a graceful and charming effect. Each 10c.



WHITE PHENOMENAL

SINGLE GERANIUMS



AUREOLE

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year. After careful comparison we have selected the following as the best:

AUREOLE. — (Mad. Bruant.)—Fancy flowered sort; remarkable colors. The plant is loaded with blooms and each floret is large, center being white and beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. Fine pot plant and a constant bloomer. Each 15c.

ELECTRIC GEM.—A fine variety, producing very large flowers on strong trusses. Color brilliant scarlet. Each 15c.

GEN. LEONARD WOOD.—One of the best of the single geraniums. Plant strong and vigorous. Flower bright carmine crimson, with white center. The general effect is very beautiful. Each 15c.

MRS. E. G. HILL.—A most distinct and pleasing shade of salmon with light shading at the center. Florets are extra large and the plant is of splendid habit and vigorous growth. It is a standard variety because of excellence. Each 10c; doz. $1.00.

PAMELA.—An English round-flowered sort of unusual strength and vigor. Handsome and distinct. Flowers have pure white center, shading to a distinct margin of crimson rose. Very large trusses of large round flowers are produced freely. Each 15c.

PHOEBE.—A dwarf, compact growing sort, extremely free flowering, seemingly every joint producing a spike of bloom. Color deep rose. It is its free flowering habit that renders it so popular, although the color is also an attractive feature. Each 15c.

RICHMOND BEAUTY.—A magnificent new single variety. Color crimson scarlet with large white feather in two upper petals. See colored plate, page 108. Each 15c.

RADIUM. — Most magnificent, well formed flowers, produced in enormous trusses in the greatest profusion. The color is a brilliant shade of orange scarlet; very effective when massed in beds; foliage large and of fine texture; habit splendid, luxuriant, branching, and robust. Certainly one of the best. Each 15c.



SOUVENIR DE MIRANDE

SOUVENIR DE MIRANDE.—Handsome and most satisfactory. Nicely formed, round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose streaked with pure white. Free flowering; splendid blooms. Each 10c.

TELEGRAPH.—A splendid flower of apricot pink shaded cerise pink, with white eye. The general effect of color combination is very pleasing. Plant is very desirable in vigor and habit of growth. Each 15c.

YVETTE PROST.—Fine large flowers and strong trusses. Color violet rose shading to white center. A very striking and beautiful blossom. Good habit, vigorous grower, and generally satisfactory. Each 15c.

ALICE OF VINCENNES.—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined scarlet; center white. Each 10c.

BIRD'S EGG.—(Abel LeFrance.)—Our magnificent geranium novelty. Flowers very large, perfect form, ground color white, with rosy dots on lower petals. Foliage is slightly zoned. Grows finely. See colored plate page 108. Each 20c.

BON TON.—One of the new scarlet sorts of special merit. Dwarf grower and very free flowering. Has beautiful foliage with light shading. Each 20c.

BARIOLEGE.—Dwarf, vigorous growing and free flowering variety. A beautiful composite flower. Color is rose, lower petals blotched crimson, the upper are blotched white. Each 20c.

BLACK PRINCE.—A very dark, rich, velvety crimson. The nearest black known in single geraniums. Each 10c.

CARMEN SYLVA. — Grandest single pure white geranium in existence. It is of vigorous and healthy growth; blooms profusely, plant being loaded with immense trusses of bloom; do not turn pink even in sunny weather. Each 15c.



PHOEBE

SEE PAGE 108
For offer of Geraniums for Bedding, at Bargain Prices in Quantity.



BARIOLEGE

TRICOLOR GERANIUM BED

One dozen each of three shades of color, consisting of standard sorts that will stand the sun and produce continuous bloom all summer. We will send one dozen double white, one dozen double pink and one dozen double red, we to chose the varieties, but we will give you only such as will prove satisfactory. Planted closely, the pink in the front row, white next, and the red forming the background, you will have a gorgeous bed of flowers.

36 plants as above from 2½-inch pots, $2.25, postpaid, or $1.80 by express, not prepaid. The same in larger plants from 4-inch pots, by express, not prepaid, $4.00.

HOUSEHOLD GERANIUM COLLECTION

A selected list of choice single geraniums. One plant each of **Black Prince,** scarlet; **Mrs. E. G. Hill,** salmon; **Maxime Kovalevski,** brilliant orange; **Carmen Sylva,** pure white; **Alice of Vincennes,** pink; **Pamela,** rose; a half dozen different shades, only 60c.

FAVORITE DOUBLE GERANIUM COLLECTION

LaFavorite, Beauty Poitevin, Double Dryden, S. A. Nutt, Apple Blossom, Trego and Mrs. F. Perkins.

One each of the above, giving a range of colors in the standard sorts which are universal favorites, for 60c, postpaid. This collection from 4-inch pots, large plants, by express, not prepaid, for only $1.00.

DOUBLE GERANIUMS

APPLE BLOSSOM.—(Mrs. Lawrence.)—Shining salmon, tinted white; free flowering; dwarf, compact habit. Extra fine as pot plant. Each 15c.

ALPHONSE RICARD.—Bright vermilion scarlet; trusses strong and upright. Free bloomer and of special merit for both pots and bedding. Each 10c.

BEAUTY POITEVIN.—A great favorite and conceded of the best semi-double bedding sorts. Color salmon pink, shading to clear salmon in center. Each 15c.

BERTHA DE PRESLEY.—A beautiful light pink. Stands sun without fading. Will be sure to give satisfaction, either for beds or in pots. Each 15c.

BLUE BEAUTY.—A new color; a beautiful violet or purplish crimson with a blue sheen over the surface. Three upper petals have a spot of vermilion near the base. Each 15c.

BRIGHT SPOT.—A bright, dazzling scarlet. One of our special four offered on page 107. Each 20c, doz. $1.75.

DAGATA.—One of the finest new pink varieties of Bruanti. The plants are dwarf, robust growers and compact. Magnificent large flowers of mauve pink on immense trusses. Each 15c.

DOUBLE NEW LIFE.—The outer petals are a brilliant red. In the center of these appears another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This was sent out in England at a fabulous price. Each 15c; doz. $1.50.

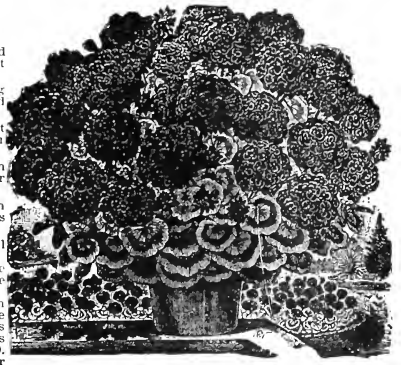
DAYBREAK.—One of the finest of pink geraniums offered in our catalogue. We commend it as a bedder. Offered in our special collection for this year and fully described on page 107. Each 15c; dozen $1.50.

DR. PHILIPPE TISSIE.—Fine white center, outer edge of petals light crimson. Striking in its beauty and admirable in growth and habit. Each 15c.

DOUBLE DRYDEN.—Color combination very attractive. Center coral white, shading lilac to edge of petals, which are soft, glowing crimson. Specially choice as a pot plant. Each 15c.

FIRE DRAGON.—A cactus flowered scarlet novelty. Ea. 15c.

GLORY DE FRANCE.—A large round flowered double geranium of waxy appearance. Petals white, veined with carmine rose. Each 15c.



EL CID

EL CID.—This is a particularly choice sort for bedding. The flower is double, of fine form and borne on strong trusses. Color is bright scarlet, a rich and dazzling shade, and is the most popular sort with the possible exception of S. A. Nutt, though many planters prefer it to that splendid sort. Each 10c; doz. $1.00. By express, not prepaid, 100 for $5.00.

IMPROVED LA FAVORITE.—What S. A. Nutt is among dark crimsons, La Favorite is among whites; without doubt the best double white geranium ever offered. It is a strong grower and a profuse bloomer. Each 10c; doz. 85c. By express, not prepaid, 50 for $2.75; 100 for $5.00.

LEOPOLD BOUVILLE.—A bright composite flower of semi double form. Color is bright solferino red, richly shaded bright carmine and purple, with distinct white center. A good grower and profuse bloomer. Each 15c.



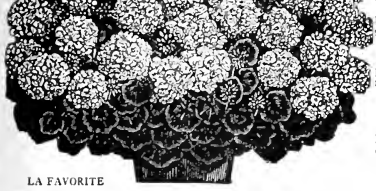
DOUBLE NEW LIFE

MT. SHASTA.—Pure white flowers, very large, semi-double; a profuse and constant bloomer. More fully described on page 107. Ea. 15c.

MARQUISE DE CASTELLANE.—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to bright cherry red, with brilliant carmine shadings. Ea. 15c.

MRS. F. PERKINS.—A double pink sort of unusual merit. Sturdy habit, free bloomer, and stands the summer sun without fading. A standard sort and very popular. Each 10c; doz. 85c.

MONSIEUR EMIL DAVID.—Is semi-double; large flowered; violet rose, upper petals are feathered white at base; flowers abundantly produced, luxuriant. Foliage is slightly zoned. Each 15c.



LA FAVORITE

MARVEL.—A bright scarlet; larger than S. A. Nutt, and counted one of the best bright red geraniums. Fine for mass bedding or to add the necessary bright red in mixed beds. Splendid grower and free bloomer. Each 15c.

OLD GLORY.—This grand novelty, introduced by us, is clear, bright rosy pink in color, with upper petals spotted pure white; truss of extra large size. Each 20c; doz. $2.00.

JULES VASSEUR.—Semi-double. Is vermilion scarlet with distinct white eye. A new variety of promise. One of the best of this type. Each 15c.

S. A. NUTT.—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. We sell thousands for borders and large beds. Each 10c; doz. 85c. By express, not prepaid, 50 for $2.75; 100 for $5.00. Large plants from four-inch pots, by express, per dozen $1.50.

TREGO.—This plant is a decided novelty as well as one of the strongest growing and most free flowering geraniums. It is of robust, compact habit, regular in form. The trusses are of immense size, produced in profusion and borne on stiff stems held well above the foliage. The individual florets frequently measure 2½ inches in diameter, semi-double, and of intense, brilliant, almost dazzling scarlet color. Each 15c, dozen $1.50.



GLORY DE FRANCE

FANCY LEAVED GERANIUMS



WM. LANGGUTH GERANIUM

GRACE PAGE.—A splendid bedding variety which is identical with the old standard dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. Of vigorous growth and an exceedingly profuse bloomer. Leaves are of dark green, and each bears a border of pure snowy white. Well adapted for pot culture. Each 20c, per dozen $2.00.

MRS. POLLOCK.—Magnificent. Green leaf disc, overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Very distinct in its markings, and one of the most satisfactory of fancy geraniums. Each 15c.

WM. LANGGUTH.—This new silver leaved geranium is a beautiful variety. The plant is short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 15c.

MAD. SALLEROL.—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty; leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon work. Each 10c, dozen 85c.

CRYSTAL PALACE GEM.—Yellow, with green disc; fine oedder. One of the oldest of the fancy leaved sorts, but popular because of the brightness of the foliage. Each 10c.

MOUNTAIN OF SNOW.—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white; single scarlet flowers. Each 10c.

DISTINCTION.—Round green leaves with clear black circle. This dark foliaged sort is fine in contrast planting among the silver leaved varieties. Each 10c.

SCENTED GERANIUMS

LADY PLYMOUTH.—A beautiful variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 20c.

NUTMEG.—Small leaves with nutmeg perfume.

OAK LEAVED.—Beautiful foliage resembling oak leaves, black center with green border.

ROSE SCENTED.—The broad leaf. This is the most popular of scented geraniums.

SKELETON LEAVED. — Leaves very finely cut, rose fragrance.

BALM.—Delicious balm fragrance.

LEMON.—A nice little plant of bushy growth with delightful lemon fragrance to the leaves.

MRS. TAYLOR.—A scarlet flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly.

PEPPERMINT. — A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. It is one of the most popular of the scented geraniums. Each 25c.

APPLE.—A standard scented variety and a favorite for its strong apple fragrance. Each 15c.

Any of the above sweet scented varieties 10 cents each $1.00 per dozen, except where noted.



HAPPY THOUGHT.—A tricolored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 10c.

GOLDEN CIRCLE.—Green foliage; golden yellow edging; flower scarlet. Each 10c.

MRS. PARKER.—A grand new silver leaved variety with double pink flowers. A unique novelty. It is a good bloomer and foliage is fine combination in the markings of green, bronze and white. Each 20c.

HAPPY THOUGHT COLLECTION.—Happy Thought, Golden Circle, Mad. Sallerol, Crystal Palace Gem, Mountain of Snow, Distinction. Six of the finest fancy leaved sorts in splendid contrast **for only 50c, postpaid.**

FRAGRANT COLLECTION. — Nutmeg, Rose, Balm, Apple, Lemon and Skeleton. A half dozen of the sweetest of the scented varieties **for only 50c, postpaid.**

IVY LEAF COLLECTION.—Caesar Franck, Jean DeArc, Chas. Turner, Eden Marchi. One each of the four choicest ivy leaf varieties **for only 45c, postpaid.**

IVY LEAVED GERANIUMS

CAESAR FRANCK.—Double as a Crimson Rambler rose. Specialists claim this to be the best Ivy Geranium. Color soft, rich crimson scarlet, shaded rose at base of petals. Foliage clean, waxy green. Vigorous, quick growing and strong. Finest for baskets, vases, etc. Each 15c.

JOS. WARREN.—A very beautiful flower of distinct color. Large flowers of composite lilac tinst. Each 15c.

MRS. HAWLEY.—Flowers semi-double, bright pink with dark blotch on upper petal. An excellent growing variety. Each 15c.

ETINCELENT.—Beautiful scarlet; extra large flowers. Very double and will be satisfactory. Each 15c.

EDEN MARCHI.—Handsomest of the ivy leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

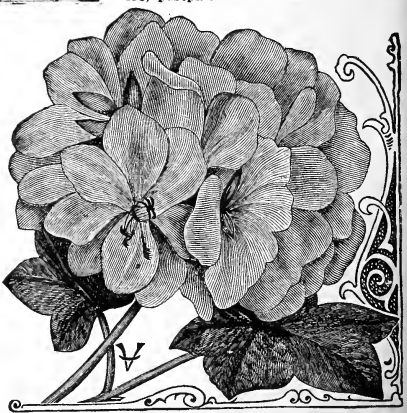
CHARLES TURNER.—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 15c.

JEAN D'ARC.—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 10c.

P. CROZY.—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veinings of maroon. Each 10c.

CORDEN'S GLORY.—Fine, bright scarlet; large, bold, full flowers; constant bloomers; one of the very best. Each 10c.

ALLIANCE.—A beautiful novelty. A hybrid between an ivy and a zonal geranium. Flowers large, semi-double and produce fine trusses. Exquisite shade of very pale pink turning to pink in some. Upper petals feathered and blotched rich crimson maroon. Ea. 15c.



IVY GERANIUM—EDEN MARCHI. *(One-half natural size.)*

MANY OF THE MOST POPULAR VARIETIES OF GERANIUMS WILL BE FOUND ON THIS PAGE

GRAMINEUS

VARIEGATED.—A beautiful low-growing grass, handsomely variegated colors. Fine for edging and masses. Nothing better for baskets or vases. Each 15c.

HELIOTROPE

These are universal favorites on account of their delightful fragrance. They bloom equally well as bedding plants in summer, or as pot plants in the house during the winter.

BUISSON FLEURI.—Semi-dwarf. Very large trusses of large flowers. Color violet; star-shaped eye. Each 10c.

PRINCE CHARMANT.—Beautiful foliage and large trusses of mauve blue flowers. A novelty of merit. Each 15c.

LORD ROBERTS.—Very large trusses of blue flowers. Each 10c.

JERSEY BEAUTY.—Very large trusses of blue flowers. Ea. 10c.

CZAR.—A new giant flowering, very dark colored sort, almost black. Each 15c.

SNOW WREATH. — Superb large cluster of deliciously fragrant flowers, nearly white. Each 15c.



PEACHBLOW HIBISCUS

HELIOTROPE COLLECTION

The fragrance of these lovely blossoms will perfume the whole house.

One each of the six varieties named above, for 60c.

HIBISCUS

GRANDIFLORA. — A large, shrub-like, woody plant bearing immense single red flowers. Each 15c.

PEACHBLOW.—One of the finest free flowering plants for either pot culture or the open ground. Flowers very large, double and of a charming rich, clear pink, with deep crimson center. Does not always appear double when first in bloom, but as the plant ages it takes on the double form. Each 15c.



PRINCE CHARMANT HELIOTROPE

HYDRANGEA

OTAKSA.—A Japanese variety used extensively for Easter decorations. Produce enormous trusses of intense pink flowers. Make excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c, large 50c and 75c.

THOMAS HOGG.—Its immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

ARBORESCENS.—The new snowball hydrangea. See description with hardy shrubs on page 122. Promises to surpass the Paniculata in popularity as it becomes better known. Each 15c. Large 40c.

PANICULATA GRANDIFLORA.—See description on page 122. The most popular of all shrubs for permanent planting. This variety and the Arborescens are largely used for hedges, mass planting and for specimen plants on lawns. They are easily trained to a desired form. Each 10. Large 30c.

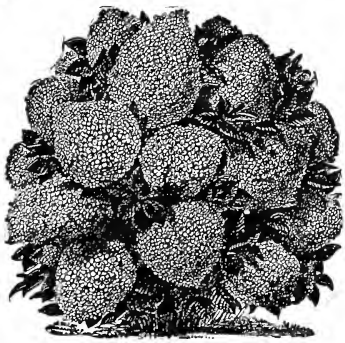
RECOMMENDATIONS

I received the plants by mail today They are very fine. I thank you so very much for the interest you have taken in all of my orders. Mrs. W. W. Luce, Midway, Wyo.

The fern you sent me is very fine for 25c. The plants were packed so nice I had no trouble with them. I never lose a plant when I get them. Mrs. Frank Hines, Salem, Ind.

I received the plants all right and thank you very much for the extras. They are growing nicely. Mrs. Isaac Grayem, Holyoke, Colorado.

In packing plants to mail we shake dirt off the roots, but allow it to remain if plants go by express at customer's expense, unless you instruct us to the contrary.



HYDRANCEA PANICULATA GRANDIFLORA

IRISH SHAMROCK

The true Irish Shamrock, the poetic plant of Irish history. Resembles clover in shape of leaf. Does well when grown either in the open ground or in pots, and its neat foliage is quite attractive. Each 10c.

ICE PLANT

Interesting from being covered with ice-like crystals. Flowers are very pretty. Each 10c.



ICE PLANT

IMPATIENS

SULTANA.—Beautiful plant producing waxy, bright flowers of rosy scarlet almost continuously, winter and summer; suitable for either pot or garden culture. Of compact growth; almost a perpetual bloomer. Each 10c.

HOLSTII.—Strong, robust growing sort with brilliant vermillion colored blossoms. One of the best. Ea. 15c.

PINK BEAUTY.—Well named, the color being a most beautiful shade of clear pink. Each 15c.

WHITE LADY.—Fine pure white; completes list and adds the necessary shade in desirable contrast. Ea. 15c.

IMPATIENS COLLECTION.—One plant of each of the above four fine varieties **for only 40c, postpaid.**

JERUSALEM CHERRY

An old-fashioned plant grown for its showy, berry-like fruits which remain on the plant for a long time. Used generally in window gardening but will grow quite large if given room. Each 15c.





NIGHT BLOOMING JASMINE

LOBELIA

SINGLE BLUE.—These are handsome trailing plants and are profuse bloomers; elegant for baskets, vases and borders. Ea. 10c; doz. 75c.

KATHLEEN MALLARD. — A most beautiful variety of Lobelia because of the double form of the flower and its freedom of bloom. Blue flowers are comparatively few, but splendid color effect will be secured if this Lobelia is used as the color is bright and strong. Each 15c; doz. $1.25.

I have received the last items on my order for seeds and plants, all in excellent condition and healthy in appearance. I thank you for promptness and liberality in sending the extra plants. Frances V. Kelly, New Haven, Connecticut.

LEMON VERBENA

A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. Very popular with the ladies for storing with handkerchiefs or other apparel to which it imparts in some measure its delicate fragrance. A splendid plant for hedges and as a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c; doz. $1.00.



JASMINE

MAID OF ORLEANS.—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 15c.

NIGHT BLOOMING.—(Cestrum Parquii.)—World famous variety, producing greenish white flowers incessantly. Strongly fragrant after dark. Ea. 15c.

CAPE JASMINE.—(Gardenia Florida.)—A pretty, low growing evergreen shrub. Thick, glossy green leaves, waxy white double flowers of delicious sweetness; valued for winter flowering in house or conservatory. Each 20c.

GRANDIFLORUM.—An old favorite variety and most satisfactory. Valuable for winter blooming. Flowers white, star-shape. Fragrant. Each 15c.

REVOLUTUM.—A climbing variety with deep yellow single flowers and glossy foliage. A beautiful plant and readily grown. Each 15c.

One each of the five Jasmines named above, only 50c.

LANTANA

We consider this one of the most satisfactory plants grown. It is the flower for everybody, both for outdoor bedding and blooming all winter in the house. It has a flower somewhat resembling the Verbena, borne on a woody, bush-shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

JAVOL.—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

PERFECTION.—The only Lantana having variegated foliage. Is unusually handsome. Outside rows of florets are pink with rose center; inside florets very light sulphur yellow; orange center. Blooms freely. Each 10c; doz. $1.00.

GOLD CUP.—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Recommended for its fine form and masses of bloom. Each 10c.

WEEPING.—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Everyone is delighted with it. Each 15c.

RADIATION.—Semi-dwarf. Color brilliant red with orange yellow center. Distinct and beautiful blending of color. Each 15c.

AMIEL.—Semi-dwarf, very compact; fine bloomer; umbel and floret fine size. Color reddish orange with yellow center. Recommended for its fine form and masses of bloom. Each 10c.

VERSICOLOR.—When first open flower is cream yellow with red center. Cream gradually changes to pink, but flower is fine at all times. Each 10c.

LEO DEX.—A fine grower. Has large round leaves and a fine flower of purple red. A most desirable variety. Each 10c.



RADIANT LANTANA COLLECTION

This is a collection which will please any lover of bright flowers. The perfect blossoms in fine variegation are certainly beautiful.

Radiation, Javol, Amiel, Perfection and Weeping Lantanas.

One each of five fine shades of color **for only 50c, postpaid.**

I am much pleased with the plants you sent. They arrived in excellent condition and if they do not live it will be my own fault. Rose Dinsmore, which I got from you is blooming beautifully. Yours truly, Mrs. Alick Booth, Austin, Man. Canada.

Plants received in fine order. I thank you for your kindness and care in sending me such choice plants. They look so fresh, not even withered. I planted them and they don't look like they had been moved Mrs. Sarah Mackemson, Topeka, Kansas.

Received the plants in good condition and was very much pleased with them. Re planted them and am sure they will grow. Mary M. Schwartz, Reading, Penn.

I have received the flowers. They were in good condition. Have set them out now. Mrs. Jennie Pohler, Solon, Iowa.

The plants arrived this morning and I found them in good condition. E. S. Rogers, Indianapolis, Ind.

OTHONNA

This is commonly known as the Pickle Plant. It is an old, well known trailing plant and is deservedly popular because of the oddity which it exhibits in foliage and its manner of growth. A very pretty plant for basket culture. Each 10c.

OXALIS

GOLDEN STAR. — (Ortigiesi.)—A shrubby plant about 12 inches in height, branching freely and bearing clusters of golden, star-shaped flowers. Each 15c.

BOWIEI.—An elegant species; is from the Cape of Good Hope. Very large, deep pink flowers. Each 10c.

LASIANDRA and DIEPPI, sold as dry bulbs, and used for massing or borders, are offered among summer flowering bulbs, page 89.



LOBELIA



AMIEL LANTANA



OLEANDER

These old-fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for verandas or yard. Flowers are usually double when mature.

ROSEA.—Large pink flowers, borne profusely. A popular sort. Each 25c.

LILLIAN HENDERSON.—Flower pure white, fine sturdy plant. Each 25c.

LUTEA.—The comparatively rare yellow-flowered variety. Each 25c.

One plant each of the three colors, 60 cents. Large plants of either variety by express, not prepaid, each 75 cents.



OTAHEITE ORANGE

OTAHEITE ORANGE

An extra fine pot plant, with glossy green leaves, the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another and at least two-thirds of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Each 15c. Large size 50c each, by express, not prepaid.

MARGUERITE DAISY

WHITE.—A French improvement on the old White Marguerite which has for years been so popular. Is much larger and will produce ten times as many flowers. All flower lovers should try a few of these. Each 10c; doz. $1.00.

BLUE.—(Agatha.)—A strikingly beautiful flowering plant, producing abundance of clear sky-blue flowers. Plants are fairly loaded with flowers, which are very desirable for cutting. Each 10c.

MRS. F. SANDER.—A superb new variety of double white marguerite, so lovely as to become a firm favorite wherever known. Owing to its continuous free blooming habit, beautiful lasting blooms on long stems, it is peculiarly desirable for beds or for use as cut flowers. Each 15c.

SOLIEL D'OR.—A very popular sort with flowers of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

QUEEN ALEXANDRA.—A great improvement on the White Marguerite, having larger flowers, which are produced in greater abundance, many flowers coming perfectly double. Each 15c; dozen. $1.25.

PONDEROSA LEMON

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of the ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. The lemons have a very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small and makes a lovely house plant. It will fruit freely the second year. Strong plants each 15c, postpaid. Large two year plants 50c each, by express, not prepaid.



PONDEROSA LEMON

My Lemon Tree that I got of you has one lemon on it that measured 13 inches one way and 11 inches the other. It was a picture, everyone praising it. Mrs. Charles Ebel, Madison, Minn.

SURINAM CHERRY

A very ornamental plant at all times, as both flowers and fruits are attractive in color shades. Fruits are cherry red color and are useful and desirable for culinary purposes. Growth of plant is shrub, like orange and lemon listed on this page, and readily grown in pots. Each 20c.

BANANA PALM

(Musa Ensete.)—Usually listed among palms and is generally known as such. It is one of the grandest and most picturesque of the banana family. Has a majestic tropical effect. Well grown specimens frequently reach 8 to 10 feet high and the leaves will have a spread of nearly the same distance. The leaves are very long and broad, of a beautiful green. An occasional application of liquid manure, and frequent watering are advisable. Several at our greenhouse produced fruit this season so it is see nthey are not difficult to grow. Each 25c.



BANANA PALM

STRAWBERRY GUAVA

A useful and ornamental pot plant; wonderfully productive and will prove equally popular with the Lemon and Orange listed above. Has dark, shining green foliage, with fruits of striking claret shade, about the size of a hulled walnut. Fruit is used for dessert and makes a most attractive jelly. It will have buds, blossom and fruit in various stages of development on the plant at one time. Each 20c.



STRAWBERRY GUAVA

TROPICAL FRUIT COLLECTION

Everyone is interested in the manner of growth of the tropical plants and we offer above some of these which are suited for house culture, believing they will be popular.

Ponderosa Lemon, Otaheite Orange, Banana Palm, Strawberry Guava and Surinam Cherry.

One strong, thrifty plant of each of the above for only 75c, postpaid.

PALMS

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for ordinary indoor culture:

LATANIA BORBONICA, or Fan Palm.—One of the most popular varieties grown, prized especially for its beautiful large fan-shaped leaves of deep glossy green. The character leaves appear the second year. Each 25c.

KENTIA BALMOREANA.—This is considered one of the hardiest and best palms in cultivation. A rapid grower. Each 25c.

ARECA LUTESCENS.—A truly graceful and beautiful palm. Strong, upright grower with long, finely cut leaves. Easy to grow and very satisfactory. Each 20c.

PHOENIX CANARIENSIS.—A popular sort and will be found a desirable member of the palm collection. The leaves are feather-like. Each 20c.

KENTIA FOSTERIANA.—A fine variety of the Kentia class. Vigorous and will prosper with ordinary care. Each 20c.

PHOENIX ROEBELINA PALM.—A palm which has become popular for room decoration. Plant is of vigorous growth and its graceful, recurving leaves with very narrow, dark green pinnae give it a lightness and airiness not surpassed. Large size by express, not prepaid, each $2.00.

CYCAS REVOLUTA.—(Sago Palm.)—Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown; their heavy, glossy deep green fronds resist alike the gas, dust or cold. Strong young plants 50c each, postpaid. Large specimen plants $1.00, $2.50, $5.00, $10.00 and $15.00 each, according to size, by express, at purchaser's expense.



LATANIA BORBONICA PALM

PALM COLLECTION

One each of the first five stately palms for 85c, postpaid. We can furnish fine large specimen plants of any of these varieties, by exp. not prepaid, at $1, $2 or $3 ea., according to size desired.



KENTIA BALMOREANA



KENTIA FOSTERIANA

PLUMBAGO

CAPENSIS.—There is no plant in our greenhouse that has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as geraniums. Each 10c.

CAPENSIS ALBA.—The white variety of the above, with which it is identical except in color. Each 10c.

PANSY GERANIUM

This beautiful flower belongs to the Pelargonium class. The flowers are of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention it is invaluable as a window plant. Colors and markings are most extraordinary. Each 25c.



PANSY GERANIUM

PELARGONIUMS

Commonly known as Lady Washington Geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter blooming.

MRS. ROBERT SANDIFORD.—This is a grand double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled. The color is glistening snow white, exceedingly beautiful. Each 20c.

MAD. VIBERT.—A beautiful large flower with black-maroon blotches, bordering fiery red and the entire flower being edged with rose. A very vigorous grower and free bloomer. Each 20c.

DOROTHY.—Beautifully fringed variety. Flowers very large; rosy salmon with dark maroon blotch on upper petals, richly shaded with plum color around the throat. Its heavily fringed and ruffled edges give the flower a light and attractive appearance. Each 20c.

MABEL.—A beautiful large, velvety pink with black blotches in center of petal. Fine grower. Each 20c.

MME. THIEBAUD.—White, richly blotched with rose. The upper petals marked crimson with large white center. Pctals are heavily ruffled, giving the appearance of a double flower. Each 20c.

LADY WASHINGTON COLLECTION
One each of the above fine Pelargoniums, postpaid, for 75c.

DOUBLE PETUNIAS

The Double Petunias are extremely popular because of the striking contrasts in the colors of each flower and because they are always in bloom. They are difficult to grow from seed as they produce only a percentage of double blossoms, while if plants are purchased they will invariably prove satisfactory. Equally desirable for bedding or indoor blooming.

ARTUS.—Extra large flowers of bright red, almost solid color. Will be a prized variety for its bright shining beauty. Each 10c.

CLIO.—A splendid shade of purple. Flowers extra size, of nearly solid color and extremely striking appearance. Each 15c.

FAIRY.—A splendid flower of mingled red and white. It has a fairy-like grace and beauty which makes it a favored and greatly prized flower by its fortunate possessor. Each 15c.

FANTASA.—Handsome double white and purple petunia. Striking variegation. We cannot show the beauty of this flower with black and white illustrations. It is really beautiful. Each 15c.

VIVIAN.—When we say that this variety is purple and white, with striking variegation, it conveys only a faint idea of the glorious contrast of color. It is difficult to present an adequate description in words, but there is an unusual and unique beauty in this spectacular blossom. Plant is easy to grow and very prolific of flowers. Each 15c.



FANTASA
DOUBLE PETUNIA

PINK BEAUTY.—Although there are many shades of pink in this flower, the general effect is a bright pleasing pink. Color grows lighter in shade from center of the outer edges of petals, and while the gradation is very gradual, the distinction is readily noted. This shading in the flower adds greatly to its beauty. Each 15c.

SNOW QUEEN.—Elegance and purity are the two impressions most strongly conveyed by this lovely flower. Unsurpassed in beauty of form by any flower that blooms, and the dainty fluffiness of large blossoms never fails to delight the eye of the beholder. A free bloomer and you may expect a never-ending succession of pure white flowers. Each 15c.

THE DAYBREAK GERANIUM COLLECTION

SPECIAL OFFER TO FLOWER LOVERS WORTHY OF FIRST PLACE IN OUR FLORAL BARGAINS

FIVE FINE, THRIFTY PLANTS POSTPAID TO YOUR HOME FOR 60c

You Can Have Satisfaction and Success with this Collection

The geranium blooms so freely and continuously, is so free from disease and insect troubles, is so thrifty under good or bad conditions, that it is the popular flower among the masses of the people, and in this collection we offer you four of the new and superior sorts which will delight with beautiful colors, bright markings and sturdy growth. The price is so low all can afford this bargain.

DAYBREAK A bright shining pink in color. We offer it as the best of this color for outdoor bedding and recommend it highly for the window garden. The flowers are of large size, and good form. Plant is strong and robust and blooms freely. It is very difficult to convey in a printed plate the form and beauty of the geranium, but our picture on the opposite side of this page will give some idea of the beauty of this lovely flower. Each 15c; dozen $1.50.

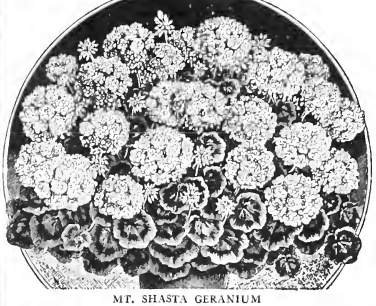
RICHMOND BEAUTY We have no variety in single geraniums which will be more admired than this one. We have made a specialty of it for several years. The color is crimson scarlet, with large white feathers in the upper petals. The picture in colors on the reverse of this page does not do it justice. Each 15c; doz. $1.50.

BRIGHT SPOT A flaming scarlet of splendid size, double form, vigorous growth and brilliant color. A fine variety for mass bedding because the many glowing trusses of large flowers make a dazzling show, so bright as to instantly catch the eye, even at a distance. A single plant will add the touch of fiery red so essential in a harmonious collection for indoor blooming. The habit of growth of this variety is all that can be desired either for summer bedding or house blooming. Each 15c; dozen $1.50.

BIRD'S EGG A wonderfully delicate and dainty combination of colors in the distinctive shading and markings of this flower. Our colored illustration is drawn from nature. The native beauty in the blossom, the exquisite shade in the dots of coloring, an dthe purity of the white ground color in the petals on which the dots are laid are of nature's painting and beyond the power of the printer to reproduce. We do, however, give you a splendid picture of the flower, and from it you can grasp an idea of its loveliness. In the Bird's Egg variety we have strength and vigor of plant contrasted with a flower so dainty it compares with the Rubrum lilies in beauty and richness. Each 20c; dozen $1.50.

MT. SHASTA This grand new French variety, sometimes called Fleuve Blanc, possesses all of the essential points that constitute an ideal geranium, enabling it to withstand our trying summers, being one of the best of the Bruant or sun-proof type, with very large, handsome, rich green foliage, zoned with dark green; of dwarf, vigorous and compact growth. Produces enormous trusses of pure white flowers on long stems held well above the foliage. The florets are very large, and just semi-double enough to give them a fine finish. Each 15c; dozen $1.50.

Collection of the Above Five Grand Varieties for Only 60 Cents



MT. SHASTA GERANIUM

GERANIUMS BY THE HUNDRED

Customer to pay express charges.

Fifty or More at the One Hundred Rate.

The customers can select from varieties named in this special offer in such numbers of each as wanted. If you cannot use 50 or 100, perhaps you can get a neighbor to take part of order. Descriptions on pages 100, 101, 102.

S. A. NUTT, crimson double; BLACK PRINCE, crimson single; LA FAVORITE, white double; DAGATA, pink double; MADAM SALLEROI, for edging.

Just the varieties for outdoor bedding for single or mixed color effects, and in this offer you have the best possible opportunity to fill your beds at reasonable cost.

From 2½-inch pots, $5.00 per hundred.
From 4-inch pots, $10.00 per hundred.

BOTH COLLECTIONS ON THIS PAGE POSTPAID ANYWHERE FOR ONLY $1.00

JAPANESE CHRYSANTHEMUM COLLECTION



PACIFIC SUPREME

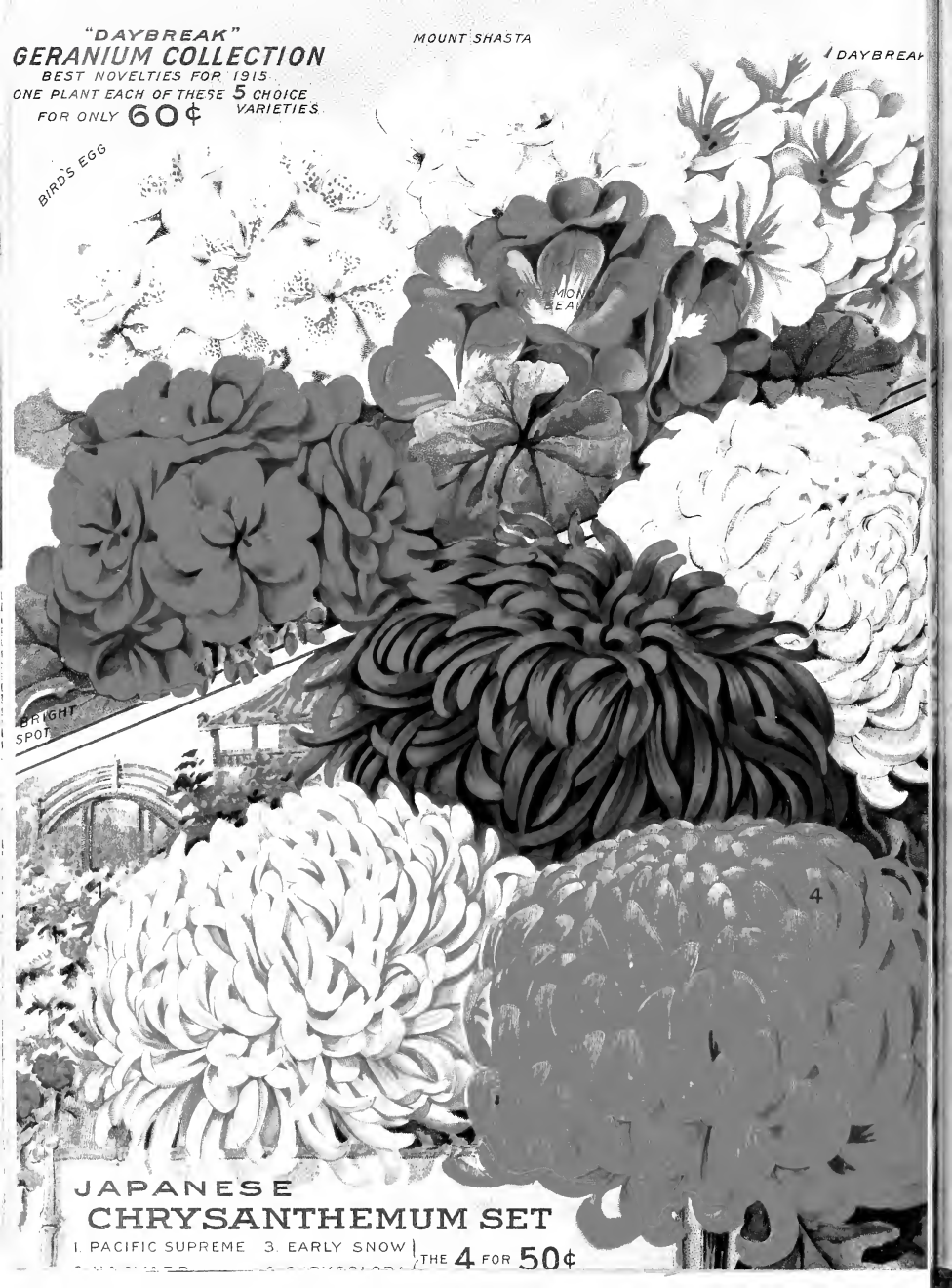
Cryrsanthemums are the most popular of fall flowers because they bloom at their best in October when outdoor flowers are no longer available. They are strong, robust growers and never fail to produce an abundance of large, splendid blooms. Given plenty of plant food and a comparatively cool situation, they grow to immense size in plant and stalk and if some of the buds are picked off and only one or two flowers allowed to come to maturity, the blossoms grow truly gigantic. The blooms as sold by florists frequently measure twenty-seven to thirty-five inches in circumference. You can do as well. Set the small plant in a six- or seven-inch pot, keep it protected from excessive heat, feed it well, and cut off the side shoots when too numerous, and you can raise splendid chrysanthemums.

PACIFIC SUPREME In our estimation, this is the best pink sort for the amateur. It seems to thrive and grow more vigorous under ordinary care than do most of the fancy varieties of chrysanthemum. The color is a pleasing pink, and the extra large blooms are most lovely. The petals incurve to the center and the full grown flower looks like a great pink ball. Each 15c; 3 for 40c.

HARVARD This variety is so named because it carries the color of Harvard University, a deep crimson. It is a most striking flower. It is perfect in form, with very large, solid bloom, and is magnificent in contrast with lighter shades of yellow, pink and white. It is a strong grower and will be easily grown by the amateur. Each 20c; 3 for 50c.

CHRYSOLORA A bright yellow flower to complete the set. The form and size of the bloom is equally as fine as the other varieties in this offer and we think it is the equal of any yellow sort in our entire list. It is early in bloom, sturdy in growth, and altogether of the choicest of the new chrysanthemums. Ea. 15c; 3 for 40c.

EARLY SNOW The earliest bloomer of the large flowered, pure white sorts. It comes into bloom in September and produces extra large flowers of splendid form. It is equal in every respect to the later blooming varieties and is available a month in advance of most of them. Like the other kinds in this offer, it is a fine grower and adapted for amateur growing. Each 20c.


"DAYBREAK"
GERANIUM COLLECTION
BEST NOVELTIES FOR 1915
ONE PLANT EACH OF THESE 5 CHOICE VARIETIES
FOR ONLY 60¢
MOUNT SHASTA
DAYBREA
BIRD'S EGG
BRIGHT SPOT
1
4
JAPANESE
CHRYSANTHEMUM SET
1. PACIFIC SUPREME 3. EARLY SNOW
THE 4 FOR 50¢



INTERNATIONAL MIXED PANSIES

PANSIES

Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades and colors known in pansies. Extra Large, strong plants of **American Giant and International Mixed** at 50c per dozen, 4 dozen for $1.50, postpaid. **Choice Bedding Mixed,** doz. 30c, 4 doz. $1.00, postpaid.

PEPEROMIA

SILVER STRIPED.—A beautiful ornamental pot or basket plant for the home. Grows vigorous and thickly massed. The leaves are wax-like, thick and fleshy, and distinctly variegated white and green. Easily grown and will thrive in any ordinary living rooms. Ea. 15c.

In shipping plants by express at customer's expense, we leave the dirt on the roots unless you instruct us to the contrary.



Peperomia.

PENNISETUM RUEPPELIANUM

(Fountain Grass.)—A beautiful annual grass, growing about 2½ feet high, producing long, graceful, cylindrical, purplish plumes. An excellent ornamental plant and the most appropriate to use as an edging to a bed of Cannas. Young plants ready in May. Each 10c; 75c per dozen. Seed, 10c per packet.

PANDANUS

UTILIS.—A splendid decorative plant somewhat resembling a palm. Unusually attractive as an ornament for the window because of its glossy, dark green, serrated foliage. Makes a fine plant for the lawn in summer when well grown. Each 25c, large 50c.

Brussels, Belgium, Sept 22. The seven rose bushes which you sent me last spring came through in good shape and are now growing nicely. Charles J. Murphey.

The plants arrived last week and those received today are just as ordered and reached here in fine condition. Mrs. Alex Robinson, Bencia, Colorado.

I received the package of plants you so kindly sent me. Please accept my sincere thanks for them. They all look nice and fresh and I think they will grow. Yours respectfully, Mrs. H. D. Reinken, Watrous, New Mexico.



CHINESE PRIMROSE

RUSSELLIA

ELEGANTISSIMA.—A pretty little plant for producing hundreds of bright scarlet flowers. Fine for hanging baskets or vases. Each 10c.

RUBBER TREE

(Ficus Elastica.)—Highly valued everywhere for their tropical appearance. Leaves very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will remain high in price. Each 50c, postpaid. Larger size $1.00 and $1.50, by express, not prepaid.



BABY PRIMROSE

PRIMROSE

MEXICAN.—A perpetual bloomer. Has blossoms 2 to 3 inches across, of beautiful colors. Each blossom keeps perfect many days before fading, and when it drops others are out to take its place. Each 10c.

OBCONICA.—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each 15c.

CHINESE.—A most popular flower for winter blooming; our cut gives an idea of its wondrous beauty. The flowers are all shades of color; distinct and beautiful markings. Each 15c.

THE BABY.—(Primula Forbesi.) Forms a dense rosette of fleshy leaves from which spring flowering stems, 12, 15 and even 20 inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy lilac with eye of pale gold; not more than a half inch in diameter, but produced abundantly. Each 10c.

ONE EACH, FOUR PRIMROSES, 40c.

BEDDING PLANTS

We grow bedding plants in enormous numbers to supply this branch of our trade, and we quote below special prices by the hundred. We will sell 50 or over of one kind at hundred rates. At these prices customers are to pay express charges, but as they go at special rates the cost will still be low for the quantity and quality received.

Your choice of colors, our choice of varieties.

	Per doz.	Per 100
Ageratum	.75	4.00
Alternanthera	.50	3.50
Alyssum	.50	3.00
Artemesia (Dusty Miller)	.75	4.00
Asters	.25	1.25
Begonias (Flowering)	.75	4.00
Begonias (Tuberous)	.75	5.00
Cannas (Growing Plants)	1.20	8.00
Cannas (Bulbs)	.75	5.00
Coleus	.60	3.50
Centaurea Gymnocarpa	.75	3.50
Feverfew	.75	4.00
Geraniums (2½ inch)	.80	5.00
Geraniums (4 inch)	1.50	10.00
Heliotrope	.80	5.00
Lobelia	.75	4.00
Pansies (American Giant)	.40	2.50
Pansies (Internat'l Mixed)	.40	2.50
Pansies (Bedding Mixed)	.25	1.50
Pennisetum	.75	3.00
Roses (one year)	.75	5.00
Roses (two year)	3.00	20.00
Salvia (2 inch)	1.00	5.00
Salvia (4 inch)	1.50	10.00
Santolina	.75	4.00
Stevia Variegata	1.25	5.00
Verbena	.75	4.00



RUBBER TREE

WE WILL GLADLY QUOTE PRICES ON ALL KINDS OF GREENHOUSE PLANTS IN SEASON



SANSEVERIA

SANSEVERIA

ZELANICA.—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. Will stand gas or dust and requires but little water yet remains thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves, which are thick and leathery, dark green color, beautifully striped crosswise with white. Each 15c; large plants 40c.

SALVIA

MRS. CHAS. N. PAGE.—One of the finest bedding plants; completely covered during summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until frost. Each 15c; doz. $1.50. Large size from 4-inch pots, each 20c; doz. $2.00.

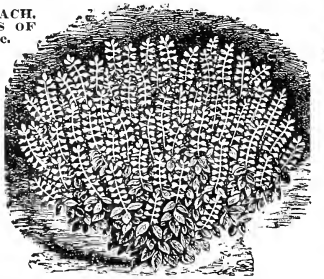
IMPROVED SPLENDENS.—Large, tall and fine, bright crimson flower and dark rich green foliage. Each 10c; doz. $1.00.

SNOWSTORM.—A white flowered, tall growing variety. A few among a bed of scarlet salvias are unique. Each 10c; doz. $1.00.

PURPLE PRINCE.—A beautiful purple shade of this popular flower. Fine for a mixed bed. Each 10c; doz. $1.00.

SILVER SPOT.—Foliage green, spotted clear white; flowers bright scarlet. An attractive bedding plant. Ea. 15c; doz. $1.25.

ONE PLANT EACH, FIVE VARIETIES OF SALVIA, FOR 50c.



MRS. C. N. PAGE SALVIA



WHITE SWAINSONIA

SWAINSONIA

WHITE.—Beautiful new climbing plant. The habit of growth is extremely graceful, and a plant trained up at the side of a window or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown. Each 10c.

PINK.—A beautiful new sort, similar to above, except that the flowers are a clear pink. Each 15c.

The plants came in good order and every one is growing. I thank you for the extra rose. *Celesta Beckstead, Hamburg, Iowa.*

SANTOLINA

A very pretty dwarf growing little plant. The foliage is finely cut and of silver gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves, like Coleus. Each 10c; per dozen 75c.

SELAGINELLA

A beautiful, low growing, moss-like plant. Fine for ferneries or planting in moist places. Each 10c; doz. $1.00.

SEDUM

STONE CROP.—Small, low growing plants, desirable for rockeries or beddings. Popular with many persons for cemetery planting as it makes a mat of green on the lot. Each 10c, dozen 75c.

SWEET ALYSSUM

SINGLE WHITE.—The common variety so largely used for borders and edgings. Nice little pure white flowers. Each 10c, doz. 50c, 100 postpaid $3.00. By expr., not prepaid, doz. 40c, 100 $2.50.

DOUBLE.—A double-flowering sort. Cannot be produced from seed. Each 10c, doz. 75c, 100 postpaid $4.00.

VARIEGATED.—Flowers have grace and fragrance of the common alyssum. Foliage is variegated, making it specially pretty. Each 10c, doz. 75c, 100 for $4.00, prepaid.

The ferns arrived here O. K. and they are nice, better than I expected. *Mrs. Frank Kasper, Beaver Dam, Wis.*

I received the ferns all right. It was snowing, blowing and freezing when they got here in tip top condition. *Mrs. Mauser, Marysville, Ohio.*

I received my plants and was more than pleased with them. They were the strongest and healthiest plants I ever received for the money. *Clara A. Clark, Belmont, South Dakota.*



STEVIA

SERRATA.—A pretty flowering plant. Largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth, 18 inches in height, producing numerous sprays of small white florets of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

VARIEGATED.—A beautifully variegated green and white leaved variety of Stevia of great value for ribbon beds and borders. Each 15c; doz. $1.25.

THE TWO STEVIAS FOR 25c.



MAMMOTH VERBENAS

STROBILANTHE

ROYAL PURPLE.—An excellent bedding plant and a beautiful foliage plant for pot culture. Forms a compact bush 18 inches high, with leaves 6 to 9 in. long, of beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. Flowers violet blue, borne in immense racemes. Each 15c.

VERBENAS

Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed covered with dark green leaves and brilliant blossoms. We have a large stock of the finest flowered varieties which bloom freely and are of the finest colors. We can furnish separate colors such as red, pink, white, blue, purple, striped, etc., or nicely assorted, just as you prefer, at 10c each, 75c per dozen.



STROBILANTHE

EVERBLOOMING ROSES

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting to them more space in our greenhouses and more land in our fields than ever before. Our plants of the several varieties are mostly grown on their own roots and are strong healthy and vigorous. We have taken great pains in preparing this list, which represents the choicest selections from nearly a thousand varieties, and we are sure every one will prove satisfactory. The two-year-old plants offered in this class of roses are mostly pot growing plants. Roses sent by mail or express prepaid in perfect condition, to the most distant parts of the United States, and we guarantee safe arrival. Directions for culture sent with every package.

One dozen of any variety at price of ten.

ANTON ROVOIRE.—A hybrid tea of beautiful light pink color, delicate and lovely. A fine ever-blooming variety of robust, vigorous habit. One of the best of late introductions. Each 15c; two-year-old plants 30c.

FRIEHEER VON MARSCHALL.—Dark carmine, buds long and pointed, flowers large, full and of perfect imbricated form. Each 15c; two-year-old plants 30c.

HON SILENE.—One of the oldest varieties in the entire list and has been grown for seventy years. It still retains its place as one of the best. Color deep rose though varying at times to a lighter shade. Each 10c; two-year-old plants 25c.

BRIDE.—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each 15c; two-year-old plants 25c.

BEAUTY INCONSTANT.—A wonderful variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, making a plant of indescribable beauty. Each 15c; two-year-old plants 30c.

BESSIE BROWN.—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. Each 15c; two-year-old plants 35c.

BRIDESMAID.—Like the Bride but of a lovely shade of clear pink. Thousands of this sort are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each 10c; two-year-old plants 25c.

COQUETTE DE LYON.—A most desirable bedding variety of light canary yellow in color. Flowers extra large, finely formed, deep and double. Ea. 15c; two-year-old 35c.



CHATENAY

CHATENAY. — A most wonderfully beautiful rose. Flowers are of elegant shape with slightly recurved petals. Color creamy rose shaded with rose carmine. An extra choice garden variety. Each 15c; two-year-old 35c.

CHAMPION OF THE WORLD.—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any tea rose. A color which few roses can equal; rich, deep, rosy pink. Offered in special collection on front cover. Each 15c; two-year-old plants 30c.

FRANCISCA KRUGER.—A strikingly beautiful rose of deep coppery yellow; quite unique and distinct from all others. Of large size and very symmetrical. Each 15c; two-year-old plants 35c.

GEN. McARTHUR.—An everblooming rose of exceptional hardiness, needing only slight protection over winter. Color vivid crimson scarlet. Branches freely and grows strong and vigorous. Each 15c; two-year-old plants 35c.

GOLDEN GATE.—A beautiful free blooming and healthy flower, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c; two-year-old plants 25c.



KAISERIN

GOLDEN BEDDER.—The finest golden yellow tea rose. A strong, healthy, vigorous plant and a profuse bloomer. By some It is called Star of Lyons. Each 15c; two-year-old plants 30c.



GOLDEN BEDDER

GRUSS AN TEPLITZ.—One of the brightest colored roses known. When first opened it is a dark, rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 15c; two-year-old plants 30c.

HERMOSA.—An old favorite variety. Prized for its beauty and abundant blossoms. Never out of bloom during the summer. In color it is a beautiful shade of bright pink. Each 10c; two-year-old 25c.

IVORY.—As indicated by its name the flower is pure ivory white, while the plant is all that could be desired. Strong grower, vigorous and healthy. Each 10c; two-year-old plants 25c.

KING OSCAR.—Hardy, strong growing variety and flowers as freely as any dark colored rose, though it will not produce as many flowers during the season as the Kaiserin or Killarney. It is such a rich, dark color that in comparison with other varieties it appears almost a maroon black. Each 20; doz. $1.75. Large two-year-old plants each 40c; doz. $3.50.

LA DETROIT.—The La Detroit rose is a most magnificent new hybrid tea rose, of largest size and splendid form; color clear flesh pink, shading to deep rose; fine broad shell-shaped petals, very full and deliciously tea scented; a vigorous grower. Each 10c; two-year-old plants 35c.

KAISERIN.—Decidedly the finest white ever-blooming hardy garden rose. Soft pearly white, lightly tinted with lemon at center. Free, continuous bloomer. Buds of faultless shape, developing into large, very double flowers of exquisite fragrance. A general favorite with rose growers everywhere. See special offer, front cover. Each 15c; doz. $1.50. Two-year-old plants each 30c.

KILLARNEY.—Killarney is fast pushing out the other sorts with the city florists and the cut flowers sell at about fifty per cent higher prices, owing to the fact that the buds are especially long and the color of the rose is a peculiarly bright, living pink, more beautiful than any other pink rose that has ever been on the market. Free bloomer, easily grown, and of strong, healthy constitution. Each 15c; doz. $1.70. Large two-year-old plants each 30c; doz. $3.00.

MAD. DE WATTEVILLE.—The tulip rose. A beautiful variety, color cream yellow, tinted pink. Petals are bordered with crimson, making it a striking and attractive flower. Each 15c; two-year-old plants 30c.



DUCHESS DE BRABANT

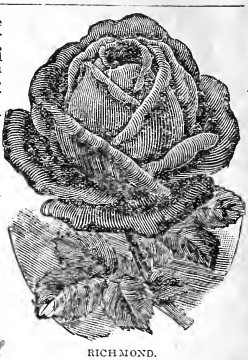
DUCHESS DE BRABANT.—This unites the highest attributes of a garden rose; very vigorous; never fails to produce flowers; healthy, rarely diseased in any way; beautiful in bud or open flower and delightfully fragrant. In color an attractive shade of soft, rosy pink, deepining to bright rose. Each 15c; two-year-old plants each 35c.

ETOILE DE FRANCE.—Clear red or crimson velvet shade. It is without doubt the finest red hybrid tea rose in our long list of varieties. Is included in our special offer on front cover. Each 20c; two-year old 40c.

FRANCES E. WILLARD.—This extremely beautiful new pure white everblooming rose has proved a most valuable variety for garden bedding. It is a strong, vigorous grower and makes healthy, handsome bushes. The buds and flowers are of large size and perfect form, pure snow white, delightfully fragrant, very full and perfect. Blossoms much more second season than first. Each 15c; two-year-old plants each 35c.

GEN. ROBT. E. LEE.—Ranks with the Princess Bonnie as a producer. Color orange yellow, sometimes shading to a darker salmon. Each 15c; two-year-old plants each 30c.

MARIE VAN HOUTTE.—An old sort which has not been superseded. Flowers deep, double and canary yellow in color. As the flowers mature color changes to cream with tints of rose. Each 15c; two-year-old plants each 30c.



RICHMOND.

METEOR.—One of the standard varieties of hybrid tea or ever blooming roses. It is remarkable for the strong growth, constant and abundant blooming. The color is bright, rich, velvety crimson, a delightful shade and the most popular of colors. The flowers are large, double, and it is popular because it combines all desirable qualities of a choice rose. Each 15c; two-year-old plants each 30c.

MALMAISON.—A pink rose of varied shadings, light blush, rose and deep pink. It is quite hardy and is very valuable for outdoor planting. Flowers are very large and double and it is altogether a satisfactory variety. Each 15c; two-year-old plants 30c.

MY MARYLAND.—The color is a soft salmon-pink which lights up beautifully as the flowers expand. The shade is most pleasing. Under artificial light it is even more beautiful than in daylight. Growth splendid, sturdy and healthy; foliage large and abundant; strongly and delightfully perfumed. Each 20c; large two-year-old plants 35c

PRINCESS BONNIE.—An ever blooming crimson, deep, solid and vivid. Very fragrant; one of the most prolific roses. Each 15c; two-year-old plants each 35c.

QUEEN BEATRICE.—A hybrid tea rose with flowers very large and double. Color deep pink, changing to lighter shade as it opens. Offered as the queen of pink roses, and it is stated to have brought the originator $30,000.0 Each 20c; two-year-old plants each 35c.

RICHMOND.—A strong rival of the American Beauty. It is a beautiful scarlet crimson, as free blooming as any tea rose, and flowers are extraordinarily fragrant. A standard variety because of its merit. Each 15c; two-year old plants each 30c.

RED KAISERIN.—Distinct and pleasing shade of cherry red. A bright, free blooming sort with flowers of fine shape and substance. Each 15c; two-year-old plants each 35c.

RHEA REID.—A magnificent rose described by an enthusiastic rose lover as being "as large as American Beauty, as double as La France and as red as Richmond." Color is vivid scarlet-crimson, and the flowers are marvels of beauty, large, bold and of splendid substance. Very hardy and of thrifty growth. See front cover. Each 20c; two-year-old plants 40c.

SOUVENIR DE WOOTEN.—We consider this one of the most beautiful and satisfactory roses grown. A rich shade of velvety crimson; deliciously fragrant; a constant and prolific bloomer; flowers frequently six inches across. Each 15c; two-year-old plants each 25c.

SUNRISE.—The color of this beautiful rose is so varied it is difficult to describe. Buds yellow and scarlet and as they open the colors deepen, the yellow changing to rich orange, while the scarlet grows darker. Inside of petals of golden yellow and the contrasts of the flowers are so striking that it will attract attention anywhere. Each 15c; two-year-old plants each 30c.



METEOR

SUNSET.—Beautiful old gold, shaded coppery crimson, with sunset tints. Each 15c; two-year-old plants 30c.

UNCLE JOHN.—Always in bloom. Strong bush form, not troubled with rust. The flowers are rose color, shading to pink and white; fragrant; large, double. Each 15c; two-year-old plants each 30c.



FRANCES E. WILLARD

VERDIFLORA.—The green rose that cannot fail to attract attention and cause surprise wherever seen. Deep green petals; free bloomer. A curiosity of the rose family. Each 15c; two-year-old plants each 25c.

WHITE KILLARNEY.—Exactly like Killarney, except in color. It is one of the best garden roses, hardy in this climate with slight protection. The color is pure, snowy white; blooms are large and buds long and pointed. Each 15c; two-year-old plants each 35c.

THREE-IN-ONE ROSE OFFER

No. 1.—BRIGHT RED	No. 2 — SOFT PINK	No. 3—PURE WHITE
Six of the best of the bright red everblooming roses. our selection of varieties, all choice sorts, postpaid for 40c	Six of the choicest pink varieties in the everblooming list. We choose kinds and give a bargain. Postpaid 40c	A half dozen of the finest pure white roses, everblooming type. We select them; they will please. Postpaid 40c

All Three Offers, (Eighteen Choice Plants) Postpaid, $1.00

WE LIST ONLY SUCH VARIETIES OF ROSES AS WILL GIVE SATISFACTION TO OUR CUSTOMERS



MRS. ROBERT PEARY

SUMMER CLIMBING ROSES

MRS. ROBERT PEARY.—(Climbing Kaiserin Augusta Victoria.)—Praised not only by professional but also by amateur growers. It is ever-blooming and while not classed as a hardy variety will live over winter with slight protection. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Two-year-old plants each 35c.

MARECHAL NEIL.—Grand old French variety, ever beautiful and of surpassing fragrance. It is a climbing rose which, when well cultivated, will produce an immense number of flowers. Hardy in the south but will not stand severe winters, and must be taken in and kept dormant during the winter, or may be kept in the house or conservatory. Excellent winter bloomer. Each 15c, doz. $1.50. Large two-year-old plants each 35c, doz. $3.25.

ENGLAND'S FAVORITE.—Our attention was immediately attracted by this charming, peculiar colored rose when we were traveling through northern England where this variety is very popular. The outside petals are a rich, deep golden yellow, shading to a deep coppery yellow toward the center of the flower. Each 20c, doz. $1.75. Two-year-old plants each 35c.

CLIMBING WOOTEN.—Deep velvety crimson flowers. Strong grower and will winter in the north if well protected. Each 15c, dozen $1.50. Two-year-old plants each 35c, doz. $3.25.

ONE EACH OF THE FOUR BEAUTIFUL SUMMER CLIMBERS FOR 50c. LARGE TWO-YEAR-OLD PLANTS $1.00.

Full Value Rose Collection

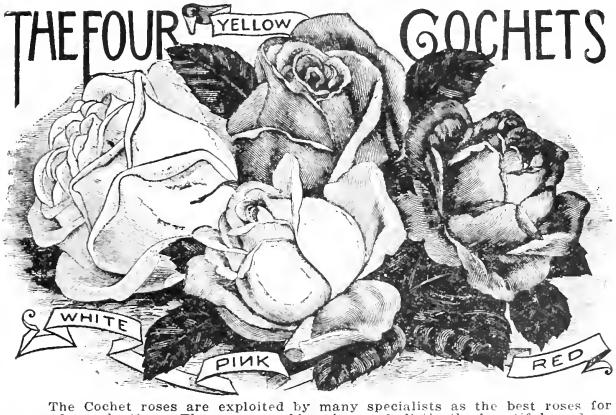
Ten Choice Roses at a Remarkably Low Price

We grow hundreds of varieties of roses, but not a poor one. The demand for the different varieties fluctuates considerably and because we cannot gauge exactly the number of each kind that will be ordered we always have a surplus of some sorts, and if you will permit us to select the varieties we will send you

TEN CHOICE ROSE PLANTS

POSTPAID FOR 50 CENTS

THE FOUR COCHETS



The Cochet roses are exploited by many specialists as the best roses for outdoor planting. They are everblooming and distinctly beautiful, and we offer you in our collection the choicest varieties of this popular type.

MAMAN COCHET.—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Color is a rich, clear pink, changing to silvery rose. Each 15c. Two-year-old plants 30c.

RED COCHET.—Helen Gould.—Buds are long and pointed; flowers are full and perfectly double; color rich, rosy crimson, bright and glowing; a good winter bloomer. Each 15c. Two-year-old plants 30c.

WHITE COCHET.—An exact counterpart of the beautiful Maman Cochet except that it is of purest white. Very desirable. Each 15c. Two-year-old plants 35c.

YELLOW COCHET.—Deep sulphur yellow. True Cochet type; most desirable of yellow roses for outdoor planting. Each 20c. Two-year-old 35c.

ONE PLANT EACH OF THE FOUR COCHET ROSES FOR 50c. TWO-YEAR-OLD PLANTS, ONE OF EACH FOR $1.00.



BESSIE BROWN

American Beauty Rose Collection

Who has not heard of the American Beauty, the rose famed in poetry, story and song? The cut flowers are frequently sold during the winter at $10.00 to $25.00 per dozen. What flower lover has not hoped some day to have a "garden of roses" with American Beauties galore? This collection has proven very popular and we are growing vast numbers of plants for the immense demand. Read carefully the list of varieties fully described in the Plant List and notice the very low prices.

AMERICAN BEAUTY, WHITE AMERICAN BEAUTY, BLACK BEAUTY, STRIPED BEAUTY, PINK BEAUTY and MOSS BEAUTY. By mail prepaid to any address in the United States.



AMERICAN BEAUTY BUD

SPECIAL ONE STRONG PLANT EACH OF THE ABOVE SIX ROSES FOR 75c. ONE LARGE TWO-YEAR-OLD PLANT OF EACH FOR $1.50

BEAUTIFUL HARDY ROSES

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants in from 2 to 2½-inch pots, while the larger sizes are strong hardy, mostly outdoor grown, two-year-old plants which have been kept dormant. These can be planted outside early in the spring before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. Should our stock of dormants be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember, we prepay postage or express charges on plants at prices named.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers and fine buds. A good bloomer. Each 15c, two-year 35c.

ANNA DE DIESBACH.—(Glory of Paris.)—Most lovely brilliant carmine, long pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer. Each 20c, two-year 40c.

HARRISON'S YELLOW.—One of the finest pure deep yellow hardy roses grown. Each 25c, two-year 50c.

ENGLISH SWEET BRIER.—Flowers are bright pink; single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Each 25c, two-year 40c.

MAD. MASSON.—It is entirely hardy, blooms nearly all the time, bearing numbers of large, full, double flowers of unusual beauty and wonderful fragrance; clear, bright rose, distinct and charming. Each 15c two-year 35c.



AMERICAN BEAUTY

ARCTIC ROSE COLLECTION

GLORIE DE MARGOTTIN.—One of the very finest varieties. Flowers very large, symmetrical, very full and deliciously scented. Color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower. Each 15c, two-year-old 40c.

JUBILEE.—A grand, hardy, perpetual blooming variety. Color dark crimson shaded velvety maroon; flowers sometimes six inches in diameter. Each 15c, two-year-old 30c.

GENERAL WASHINGTON.—Color a brilliant crimson, very rich and beautiful; the flowers are large and perfectly double; is a free bloomer. Each 15c, two-year-old 30c.

JOHN HOPPER.—Flowers are large, regular and full, color brilliant rose, shaded a rich crimson. Very sweet. Each 15c, two-year plants each 35c.

COQUETTE DES ALPS.—The flowers are large and full, finely formed and pure white. Profuse bloomer. Each 15c, two-year-old plants each 30c.

MAD. CHARLES WOOD.—A bright, fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, two-year 35c.

LA REINE.—A beautiful rose often listed as The Queen. Color is clear, bright rose; plant is strong and vigorous. Blooms are large, full and fragrant. A fine variety. Each 15c, two-year-old plants each 30c.

J. B. CLARKE.—Awarded the gold medal of the National Rose Society. A hybrid perpetual of unique color, being an intense scarlet shaded dark, rich crimson maroon. Flowers very large and fine. Each 20c, large two-year 40c.

ONE EACH OF THE EIGHT ENTIRELY HARDY ARCTIC ROSES PREPAID FOR 90c; LARGE TWO-YEAR-OLD PLANTS $1.75.



GENERAL JACQUEMINOT

GIANT IRONCLAD COLLECTION

Selected for those who want roses that will stand the severest climate and give satisfaction in blossoms.

MRS. JOHN LAING.—For outdoor planting is undoubtedly the finest. A beautiful soft pink; delicious fragrance; very double and of large size. A constant bloomer. Ea. 15c, dor't 30c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence; nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson; a superb glowing color. Each 15c, two-year 30c.

MAGNA CHARTA.—A spendid rose with extra large, rosy red flowers, beautifully flushed violet crimson. Each 15c, two-year 30c.

MRS. R. G. SHARMAN-CRAWFORD.—Very full double flowers of deep rosy pink. Beautiful. Ea. 15c, two year 30c.

PAUL NEYRON.—Double flowers of shining carmine pink. The largest rose known, and one of the most prolific bloomers. It is an exceptional grower, making shoots four to five feet high in a season. Each 15c, two-year-old 30c.

PRINCE CAMILLE DE ROHAN.—A fine rose of rich, velvety crimson, passing to maroon, shaded black. Each 15c, two-year-old plants each 35c.

SIX GIANT IRONCLADS FOR 70c; I ARGE TWO-YEAR-OLD PLANTS FOR $1.50 POSTPAID.



CAPTAIN CHRISTY.

FAVORITE ROSE COLLECTION

In this collection we have a fine display of color combined with hardiness, and it is composed of proven sorts that will give satisfaction.

BARON DE BONSTETTEN.—Rich, dark red, passing to a deep, velvety maroon, nearly black. A large flower, very highly scented. Each 15c, two-year-old 35c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, imbricated, and very double flowers of dazzling crimson scarlet color; rich, spicy fragrance. Of compact, bushy growth. Fine for beds and very hardy. Each 15c, two-year 30c.

VICK'S CAPRICE.—Perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each 15c, two-year 30c.

CAPTAIN CHRISTY.—Is very double; fresh, delicate pink. Ea. 15c, two-year 30c.

MADAME PLANTIER.—Flowers borne in great profusion, are pure white; hardy as an oak, and certain to grow. Blooms in June. Each 15c, two-year 25c.

ULRICH BRUNNER.—A rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, two-year 30c.

CLIO.—Color flesh pink shaded rose in center. Large flower of fine form. Ea. 15c, two-year 30c

THE SEVEN FAVORITE ROSES 70c LARGE DORMANT $1.60.

PERMANENT RED



BABY RAMBLER ROSE

TRIUMPH ROSE COLLECTION

ALL OF IRONCLAD HARDINESS except Helena Canbler; all constant or perpetual bloomers, except Henri Martin, and will grow larger, more beautiful and valuable each year...

A special offer, which proved so popular we repeat it this season.

TRIUMPH.—Superb new variety from England where it is sometimes known as "Hugh Dickson." Color crimson, flamed scarlet. Blosson extra large, highly perfumed. Eaci 20c; two-year-old plants 50c.

THE BLACK ROSE.—Finest deep, rich, red rose. Attracts the most favorable comment. A glorious, very dark crimson rose. Ea. 15c; 2-yr. 25c

HELENA CANBIER.—A charming new French rose. Color copper yellow, changing to lemon yellow in outer petals. Each 20c; two-year 40c.

FRAU KARL DRUSCHKI.—Beautiful white variety often called White American Beauty, because its habit and growth resemble that popular sort. Ea. 20c; 2-year 35c.

FRANCOIS LEVET.—An exquisite cherry pink, delicately shaded with carmine and blush. Free bloomer and perfectly hardy. Each 20c; two-year-old 40c.

HENRI MARTIN.—A magnificent moss rose, very mossy and delightfully fragrant. Blooms only in season but is most prolific. Each 15c; two-year-old plants 35c.

ONE STRONG PLANT OF EACH OF THE ABOVE 75c; TWO-YEAR-OLD READY TO BLOOM $1.75, POSTPAID.

ELEGANT ROSE TREE

These Tree Roses are grafted on hardy rose stalks about four feet high, are tree-shaped and when in full bloom are objects of beauty, making handsome plants for the lawn or rose border. In this shape we offer only the hybrid perpetual or hardy class. We have them in white, the different shades of red, pink, yellow and crimson. Should be protected in winter. These are all grown in Holland and this year we have imported a very large number of extra choice specimens which will bloom profusely the first year. In order to have these reach you in good condition they are carefully packed and delivered in cars here at $1.00 each, $9.00 per dozen. Can only be sent by express or freight.



TREE ROSE

BABY RAMBLER ROSES

This type of roses has created a furore among rose planters in America and we list below three varieties in collection that our customers may have the contrast of color necessary for best effects. Entirely hardy.

CRIMSON BABY RAMBLER.—The very best bedding rose in existence. It originated in Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety, and it may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 7 inches in height, and on our place every plant was in bloom every day of the summer and fall. Sometimes as high as 120 flowers have been counted on a single panicle. Nice, well-grown plants each 15c; per dozen $1.50. Large two-year-old plants each 35c.

WHITE BABY RAMBLER. — (Catherine Zeimet.)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each 15c; two-year-old 35c.

PINK BABY RAMBLER.—(Phyllis.) — A counterpart of the Crimson Baby Rambler except that color is a bright, shining pink. Splendid in combination with the above. Each 15c; two-year-old plants 35c.

SET OF THREE BABY RAMBLERS FOR 35c, OR IN TWO-YEAR-OLD PLANTS 85c.



LITTLE WHITE PET

FAIRY ROSES

These small roses are marvels of grace and beauty; blooms are borne in clusters.



C. F. MEYER

YELLOW SOUPERT.—(Mosella.)—Choice novelty. Flowers very double; tinted white on beautiful light yellow ground. Each 15c; two-year-old plants 25c.

LITTLE WHITE PET.—A pure white of perfect shape. Hardy. Each 10c; two-year-old plants 25c.

CLOTHILDE SOUPERT.—One of the most popular and satisfactory roses grown. Wonderfully free bloomer. White, shaded pink. Each 10c; two-year-old plants 25c.

WHITE SOUPERT.— (Schneekopf.) — Is similar to Clothilde Soupert except it is pure ivory white without shade of other color. Like all others of this class it is extremely free flowering. Each 15c; two-year-old plants 25c.

THE FOUR FAIRIES FOR 35c. TWO-YEAR-OLD PLANTS 80c.

RUGOSA ROSES

SIR THOMAS LIPTON.—A hardy hybrid rugosa rose. Grows 4 feet high, strong and vigorous. The flowers double pure white. Fine for hedging, cemeteries or massing. Each 15c; two-year-old 35c.

CONRAD F. MEYER.—Elegantly formed buds and flowers 3½ to 4 in. across and perfectly double. In color rich, peachy yellow, tinged silver rose; very fragrant, entirely hardy. Each 15c; two-year 35c.

RED RUGOSA.—A single-flowered rose. Makes a handsome large bush; bright green leaves; clusters of deep rose-colored flowers continuously, followed by large apple-shaped bright red fruits. Strong plants each 25c.

WHITE RUGOSA.—Similar to above; white flowers. Each 30c.

ONE EACH FOUR RUGOSA ROSES IN LARGE PLANTS, ONLY $1.00.

FOUR LA FRANCE ROSES

LaFrance roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true LaFrance fragrance and beautiful form. Prized for their profusion of bloom.

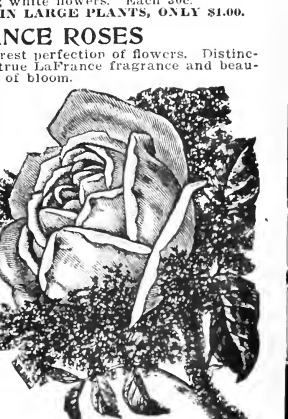
RED LA FRANCE.—(Duchess of Albany.)—Deep rose pink hue. Very large, double and of superb form. Each 10c; two-year-old plants 35c.

LA FRANCE.—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer. In color pink or silvery rose—a satiny sheen, as it has been termed. Each 10c; two-year-old plants 30c.

WHITE LA FRANCE. — Identical with LaFrance, except color. It is pearly white, sometimes tinted fawn. Each 10c; two-year-old plants 30c.

STRIPED LA FRANCE.—Is a rich, creamy pink with silvery gloss, beautifully streaked and etched with carmine. Each 15c; two-year-old 30c.

SET OF FOUR LA FRANCE ONLY 40c. TWO-YEAR-OLD $1.00.



CRESTED MOSS

MOSS ROSES

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms; hardy; needs protection.

CRESTED MOSS.—Deep pink buds surrounded by mossy fringe; fine. Each 20c; dormant 30c.

CRIMSON GLOBE.—Large flower; deep, rich crimson; very mossy; fragrant. One of the best. Each 15c; dormant 35c.

WHITE MOSS.—Everyone should have this. Each 15c; dormant 35c.

ONE EACH OF THE MOSS ROSES FOR 35c; DORMANT PLANTS 75c.



BIRDIE BLYE ROSE

MEMORIAL ROSES

These hardy roses creep over the ground like ivy. Leaves glossy dark green; profuse flowering.

WHITE MEMORIAL. — (Wichuriana.) — Fine for cemetery planting. Flowers single, pure white; hardy. Ea. 15c; 2-year 30c.

MANDA'S TRIUMPH.—Rapid, sturdy grower; bears a profusion of double, pure white, imbricated flowers; elegant for cemetery. Each 10c; two-year-old 25c.

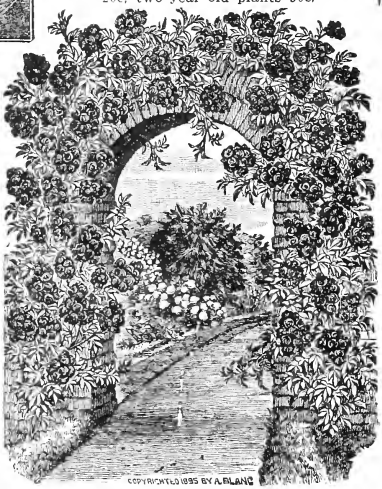
SOUTH ORANGE PERFECTION.—Produces multitudes of most perfectly formed double flowers; soft blush pink at tips. Each 10c; two-year-old 25c.

GARDENIA.—Buds bright yellow, open flowers, cream color, 3 to 3½ inches in diameter. Delightfully fragrant. Each 10c; two-year-old plants 25c.

JERSEY BEAUTY.—Extremely vigorous grower; flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c; two-year-old plants 25c.

UNIVERSAL FAVORITE. — Blooms are very abundant, of large size, double, of a beautiful rosy pink, and very fragrant. Each 10c; two-year-old plants 25c.

ONE EACH OF THE SIX MEMORIAL ROSES FOR ONLY 50c. IN TWO-YEAR-OLD PLANTS $1.00.



CRIMSON RAMBLER

RAMBLER ROSES

BLUE RAMBLER.—(Veilchenblau.)—The wonderful new rose which has attracted so much attention. It resembles the well known Crimson Rambler in its climbing habit and manner of growth, having glossy green foliage and bearing large clusters of medium sized flowers. When first opened its color is an attractive shade of violet crimson, later changing to a more distinctive and the unique shade of violet-blue. It is markedly distinct in color from any other rose within our knowledge, and, from a conservative standpoint, is a novelty deserving attention and trial on pillar, arbor or trellis. Strong plants each 15c; large two-year-old 35c.

PHILADELPHIA RAMBLER.—A greatly improved Crimson Rambler. Begins blooming two weeks earlier and its color is brighter, more intense crimson; almost entirely free from mildew. Each 15c; two-year-old 30c.

CRIMSON RAMBLER.—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c; strong two-year plants 25c. Extra strong four-year-old Crimson Ramblers at $1.00 each.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c; dormant 25c.

WHITE RAMBLER.—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c; dormant 25c.

PINK RAMBLER.—Of shining rose color. Each 10c; dormant 30c.

DOROTHY PERKINS.—A grand new sort remarkably like Crimson Rambler, but flowers more double and beautiful shell pink color. Each 10c; dormant 30c.

WHITE DOROTHY PERKINS.—Like the parent variety with pure white flowers. The Dorothy Perkins type is preferred by most rose growers to the ordinary Rambler sorts. Each 25c; two-year-old plants 50c.

HARDY CLIMBING ROSES

For porches and trellises nothing surpasses the climbing roses, especially the ever-blooming varieties. We recommend the two-year-old plant for immediate effect. Following recommended as permanent plants:

CLIMBING AMERICAN BEAUTY.—A real American Beauty in flower, foliage and fragrance, but grows as a climber, often making fifteen feet in a single season. Flowers are very large, from three to four inches in diameter, of fine form and are borne in great profusion. A continuous bloomer, and hardy. A new rose of exceptional merit. Each 20c; two-year-old plants, each 60c.

BIRDIE BLYE ROSE.—This new ever-blooming variety is one of the choicest. Hardy, living over winter with slight protection. It is a pillar rose, growing about 6 feet high, but can be trimmed to bush form; glossy foliage and blooms constantly, producing at the end of every shoot clusters of bright, satiny-rose blossoms, quite double, intensely fragrant and over three inches in diameter. The buds are long and pointed and a bright carmine color. Each 20c, two-year-old plants 50c.

THOUSAND BEAUTIES.—(Tausendschon.)—A hybrid from crossing Crimson Rambler with Tea and Polyantha varieties. Blooms profusely from the beginning of June until the last of July. Color a lovely shade of soft pink when first open, changing to carmine on reverse of petals. Not so thorny as most varieties and is a strong and vigorous grower. Each 20c; two-year-old 40c.

KEYSTONE.—In this we have at last secured a hardy ever-blooming rose of bright lemon color and delicious fragrance. Is perfectly hardy, of free habit of growth blooms profusely; vigorous constitution. Ea. 15c; two-year-old 35c.

RUSSELL'S COTTAGE. — Dark crimson, very double and full; extra strong, rampant grower on iron-clad hardiness. This is the only satisfactory dark red climbing variety. Ea. 15c; two-year-old 30c.

SEVEN SISTERS.—One of the old standard climbing roses. Crimson, changing all shades to white. Blooms in clusters. Each 15c; two year old 25c.

MARY WASHINGTON. — Hardy perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother, Mary Washington. Ea. 15c; two-year-old 30c.

PRAIRIE QUEEN.—An old standard always popular. Bright pink full and double; a large flower. Each 10c; two-year-old 25c.

BALTIMORE BELLE. — Double blush white; large clusters covering plant with bloom. Each 10c two-year-old 25c.

BARGAIN COLLECTION OF HARDY CLIMBING ROSES

We make a special offer of one each **Thousand Beauties, Birdie Blye, Russell's Cottage, Mary Washington, Keystone, Seven Sisters, Baltimore Belle** and **Prairie Queen for 85c, postpaid; large two-year-old $1.75.**

Rainbow Rambler Collection

5 for 50 Cts

1 BLUE RAMBLER
1 WHITE RAMBLER
1 CRIMSON RAMBLER
1 YELLOW RAMBLER
1 PINK RAMBLER

TWO-YEAR-OLD PLANTS ONLY $1.00

Postpaid to your address.



MARY WASHINGTON

TENDER VINES AND BASKET PLANTS

Listed separately for the convenience of our patrons who desire them for special uses.



CLERODENDRON.

CLERODENDRON

BALFOURI.—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high bearing several clusters. A strong and rapid grower for house or garden planting. Each 15c.

CLECHOMA

(Variegated Ground Ivy.)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. A general favorite with all of our customers as there is a continued and steady demand for it. Entirely hardy when planted out, and makes an ornamental, dense mat on the ground. Ea. 10c, doz. 75c.

MAURANDIA

Graceful climbers for window or conservatory or open ground in the summer; fine to hang from vases, to cover stumps and low trellises; they flower freely. Each 10c.



GLECHOMA



MANETTA

BICOLOR.—One of the handsomest little vines in existence. Easily and quickly grown; blooms continuously. Well adapted for hanging baskets, pot culture, vases or beds. Flower of size and shape shown in our cut, brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely in winter when taken into the house. We heartily recommend this vine to all customers and feel assured of no complaint when tried. Each 10c.

MOONFLOWER

WHITE.—A very handsome climber, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers. Each 15c, doz. $1.25.

BLUE.—(Ipomea Leari.)—The flowers are a clear satiny blue, with well defined crimson bars, very distinct. Each 15c, doz. $1.25.

1 WHITE AND 1 BLUE MOONFLOWER 25c.



PARLOR VINE COLLECTION

We offer on the next page a beautiful hanging basket collection at a low price, but many will prefer a few parlor vines for separate growing, and we offer you these beautiful little vines to meet this demand: **1 Vinca Major, 1 Saxafraga, 1 Manetta Vine, 1 German Ivy, 1 Kenilworth Ivy. Five fine vines, postpaid for 40c.**

COBEA SCANDENS

A rapid growing climber bearing large purple flower of cup and saucer shapes. Extra fine for arbors and will cling closely to a rough surface. Each 15c, doz. $1.25.

HOYA

CARNOSA.—(Wax Plant)—A well known house climber, with thick, fleshy leaves and curious waxy flowers, bluish white in color. A favorite for its handsome appearance. It is quite scarce and not always obtainable, but we think we have enough to supply our friends this season. Each 25c.

IVIES

ENGLISH.—An old favorite vine, showy the year round if properly grown. Hardy in the south but will not stand our Iowa winters. Each 10c, large 25c.

VARIEGATED ENGLISH.—Foliage very prettily marked with pure white on dark green ground. Handsome as a pot plant in the window or for trailing from the sides of boxes or baskets. Each 15c.

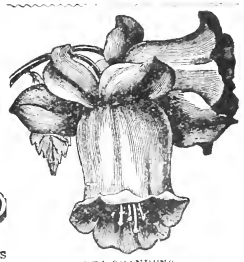
KENILWORTH.—An old familiar trailing ivy. Perhaps the best for shaded places or rooms where light is not strong. Each 10c; dozen 75c.

GERMAN.—Well known ivy which is very popular as a plant for hanging baskets and vases. Can be grown with very little trouble. Each 10c; dozen 85c.

ONE PLANT EACH OF THE FOUR IVIES NAMED ABOVE FOR ONLY 35c.

Received the flowers in fine shape and am well pleased with them. They are all doing well. Thank you for giving my order prompt attention.—Frances Brandino, Dewmaine, Ill.

Plants are received in fine condition. We thank you for the extra.—A. E. Johnson, Baltimore, Md.



COBEA SCANDENS



ENGLISH IVY

FICUS REPENS

This is a trailing or creeping variety of Rubber Plant, and is useful for baskets, vases, etc. Foliage much smaller than the Elastica variety shown on page 109. Each 15c.

DOUBLE NASTURTIUM

Flowers are large and fully double, different in appearance from any others. Some are bright yellow color and some a rich, dark orange crimson, with shading of a deep mahogany red. It is really a good double flower, 2 to 2¼ inches across, which will instantly attract the attention of everyone who sees it. Plant of climbing habit, and fine for trellises, window boxes, vases, etc. It never produces seed. Flowers red and yellow. Each 15c; doz. $1.25.



PASSION FLOWER

PASSION FLOWER

MAMMOTH.—One of the most desirable of all climbing plants. Will climb up a trellis 10 to 12 feet high in a season and cover it all over with pretty leafage and large clusters of handsome flowers. The flowers are 2 to 4 inches across and the colors a remarkable combination of red, white and blue flowers. Each 15c.

CONSTANCE ELLIOTT.—A white-flowered mammoth variety which will greatly add to the beauty of both if planted so as to intertwine with the blue or red sorts. Each 15c.

PANICUM

VARIEGATUM. — (Oplismenus.) — A creeping perennial with narrow leaves, nicely variegated white and pink, green and yellow stripes. Beautiful for baskets, vases and edgings. Sometimes called Dwarf Wandering Jew. Each 15c.

SMILAX

A well known and handsome climber. Most popular of all vines with florists. Grows compact and upright, and from the manner of growth does not require any great amount of space. Can be trained on a string. Each 10c.

WE SHIP ANYWHERE

The plants, bulbs and seeds which you shipped over six weeks ago came to hand in splendid condition, all alive and doing well. Many thanks.
J. J. McGrath, Ningpo, China

The plants arrived by mail today in good condition.—Pedro D. L. Santos, Saltillo, Mexico.

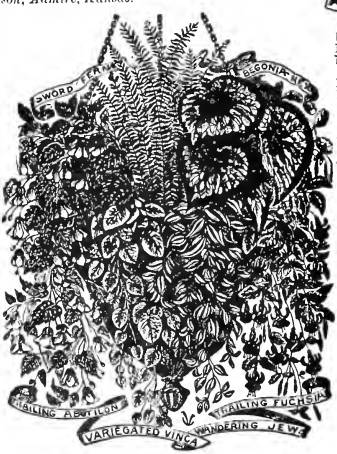
Plants came in fine condition.—Mrs. R. S. Chaffe, Springfield, Mass.

The plants came safely and are very fine large ones. Am much pleased with them.—Mrs. Emma A. Webb, Stockton, Calif.

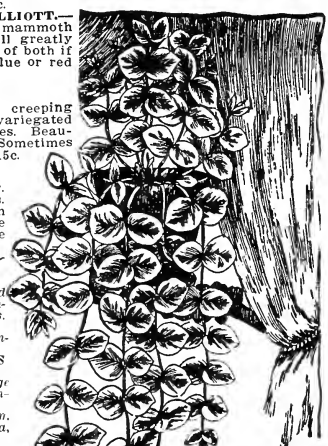
I have received the plants in good condition. I thank you.—Prof. E. Gruneberg, Havana, Cuba.

Plants received in perfect order and I am much pleased with them.—Wm. H. Foss, South Burwick, Maine.

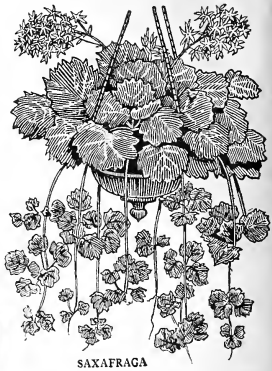
The plants were received in good order and are all living and doing nicely.—Mrs. M. E. Emerson, Admire, Kansas.



HANGING BASKET COLLECTION.



VINCA ELEGANTISSIMA.



SAXAFRAGA

SAXAFRAGA

STRAWBERRY GERANIUM. — The well known, much used old plant for hanging baskets or vases. Long, strawberry-like runners. This is an old-fashioned plant but is still popular and will always be prized for its hardiness and thrifty habit. Will grow vigorously and give satisfaction under the hardest conditions. Plants each 15c; 4 for 50c.

SOLANUM

AZUREM.—A blue-flowered solanum of rapid growth and as free flowering and showy as any of the other varieties. Flowers of deep blue in large panicles. Each 15c.

JASMINOIDES GRANDIFLORUM.—This beautiful plant is of trailing habit but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large panicles frequently a foot across. They are pure white with a violet tinge on back; equally good bloomer in summer and winter and is very effective when planted to cover a low wall or trellis. Each 10c; doz. $1.00.

VINCA MAJOR

ELEGANTISSIMA.—One of the handsomest vines in existence for growing in window boxes, in hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Plants are of easiest culture and grow very rapidly. Does well either in sun or in shade. Blue flowers. Each 10c, doz. $1.00. Large size plants 25c.

HARRISONI.—Similar to above but with darker variegation. Very popular because of strong growth. A well grown plant will completely fill a large hanging basket. Each 10c; doz. $1.00. Large size, each 25c.

WANDERING JEW (Tradescantia)

An old, well known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Two sorts with variegated foliage, and also the plain green leaf variety. Each 10c; 4 for 25c.

HANGING BASKET COLLECTION

This illustration of our popular collection but poorly depicts the great beauty of a hanging basket filled with appropriate plants, well grown and healthy. We have in this collection chosen a half dozen plants which will give splendid results with but little care and may be grown in any home window garden. At the price it is surely an opportunity.

BOSTON FERN.—The most popular decorative plant in the entire list. Each 15c.

REX BEGONIA.—The most beautiful of foliage plants and a source of much satisfaction. Ea. 25c.

TRAILING ABUTILON.—The trailing variety of the well known Flowering Maple. Each 15c.

VARIEGATED VINCA.—The most popular vining basket plant on the list. A favorite with all. Each 10c.

TRAILING FUSCHIA.—Adding attractiveness with its beautiful flowers and foliage. Each 15c.

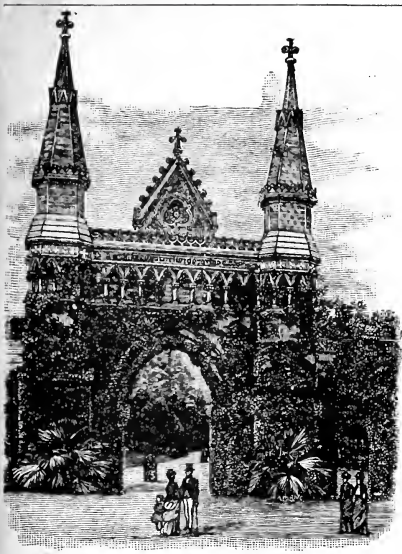
WANDERING JEW.—The old-fashioned favorite basket plant. Each 10c.

One each of above by mail, postpaid, 60c. Or the six plants and one 8-inch wire hanging basket and moss for lining, all postpaid, for 95c.



HARDY VINES

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay postage or express charges at these prices.



AMPELOPSIS VEITCHII OR BOSTON IVY

AMPELOPSIS

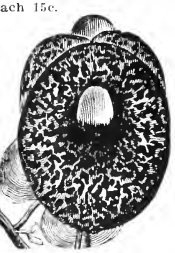
VEITCHII.—(Boston Ivy.)—Is a very beautiful hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. It is a great protection to houses, as the leaves, lapping over each other like shingles on a roof, effectually prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange, so dazzling as to be seen at a great distance. Each 15c; doz. $1.25. Large plants 25c; doz. $2.50.

ENGELMANII.—This is an improved Woodbine which bears very large and abundant foliage. Has the upright manner of growth of the Veitchii and is preferred because of its much heavier growth of leaves. Each 15c; large 25c.

TRICOLOR.—A beautiful and desirable variety with foliage variegated white and pink. Bears bright blue berries. The best for trailing over rocks or low fences. Each 15c.

ARISTOLOCHIA

DUTCHMAN'S PIPE VINE.—The well known, vigorous and rapid growing climber used so extensively for archways or verandas. It takes its name from the singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 25c; large 40c.



ARISTOLOCHIA

AKEBIA QUINATA

A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters, of cholocate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 15c; large 30c.

BIGNONIA

RADICANS.—(Trumpet Creeper.)—An old-fashioned hardy climber. Very desirable for covering unsightly places, stumps, old fences, and also fine for any spot when showy flowers are desired. It has clusters of large, trumpet-shaped crimson flowers with orange throat. Grows in almost any soil under trying conditions; hardy. It is one of the most popular of the hardy vines, and is useful and beautiful for any situation where a permanent vine is desired. Each 15c; large plants 25c.

APIOS

TUBEROSA.—Valuable, hardy, tuberous-rooted climber, resembling in miniature the Wistaria vine, and having clusters of deep purple flowers which have a strong violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs close together to produce a mass of vines and flowers. Each 5c; doz. 50c.

BITTER SWEET

A native climbing or twining plant; large leaves, yellow flowers, orange capsuled scarlet fruit. One of the most popular of native plants, as its beautiful seed pods are prized for winter decoration. Each 10c; large 25c.



BIGNONIA RADICANS

CHINESE KUDZU VINE

JACK-AND-THE-BEANSTALK VINE.—The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. In valuable for rapidly covering arbors, fences, dead old trees, rockeries, etc. Perfectly hardy; grow 50 to 75 feet when well established. Each 15c, doz. $1.50; medium size 25c; large size 50c.

CINNAMON VINE

A tuberous-rooted, hardy vine which is also listed among the summer bulbs. With its beautiful heart-shaped leaves and clusters of delicate white flowers and cinnamon fragrance, it is a very desirable vine. Large tubers each 10c; 3 for 25c; doz. 75c. Bulblets from which the large tubers can be grown in one season, doz. 10c; 100 for 60c.

CHINESE MATRIMONY VINE

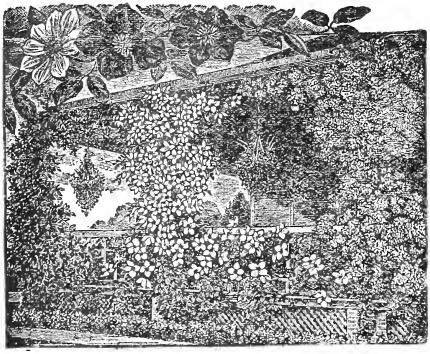
LYCIUM.—This vine is a very vigorous growing, shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems droop gracefully and make an admirable covering for the porch. Each 10c; large 25c.

CAMELIA VINE

In the Camelia Vine (Calystegia Puhescens) we have a flower of true Camelia shape and size, perfectly double and of most beautiful rose color. Of easiest culture, growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 to 20 feet. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c; doz. $1.25.



CAMELIA VINE



CLEMATIS JACKMANII CLEMATIS HENRYII CLEMATIS PANICULATA

HARDY CLEMATIS

The most popular climbing plant of the day, and is constantly gaining in popularity—and why should it not?—as it is hardy, standing our most severe winters with but slight protection; grows rapidly and blooms freely during the entire season.

JACKMANII.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 50c.

HENRYII.—This may be briefly described as a white-flowered Jackmanii. It is the finest of all white sorts; the same size as Jackmanii. Each 50c.

MAD. EDOUARD ANDRE.—An entirely distinct and beautiful new variety, being the nearest approach to a bright red ever sent out. Has the same vigorous growth, hardiness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 50c.

PANICULATA.—This small-flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers, which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy-white; deliciously fragrant. Of extreme rapidity of growth. Each 15c; large, extra strong plants 35c.

COCCINEA.—A charming variety of Clematis. Flowers are bell-shaped, and of brilliant coral red color. A rapid grower and free bloomer, flowering from June until frost. An herbaceous perennial, about 12 ft. high. Ea.25c.

VIRGIN'S BOWER.—(Clematis Flammula.)—An old-fashioned popular climber, growing to a height of 20 feet, and covered with fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed anywhere. Each 10c; large 25c.

COLLECTION.—A large plant of each of above kinds of Clematis for only $1.60, postpaid. A great bargain.

HONEYSUCKLE

RED CORAL.—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd-shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c; doz. $1.50. Large plants 25c.

HALLIANA.—(Hall's Japan.)—For real home vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is now planted in many places on terraces and allowed to run naturally, and it makes a lovely show treated in this way. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Fine for trellises or pillars. Foliage bright, glossy green; makes dense shade. Each 10c; doz. $1.00. Large, two-year-old plants 25c; doz. $2.50.

GOLDEN LEAVED.—Slender, moderate grower; leaves are beautifully veined and netted with bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c; large 25c.

I am sending you another order for plants. The plants you sent me last year came all right, and are growing fine.—Mrs. L. F. Welch, Fruitvale, Calif.



RED CORAL HONEYSUCKLE

Plants were received here in fine condition and look well. With care and good soil I hope to give you a splendid report in the fall.—Charles O. Prince, Canton, Ohio.

HOP VINE

A vigorous, hardy, ornamental vine, for covering old trees, outbuildings, fences, etc. Produces the hops of commerce. Grows 50 feet high in a single season. Is both ornamental and useful. Each 10c; dozen 75c.

SILK VINE

PERIPLOCA GRECA.—Beautiful rapid-growing climber, 30 to 40 feet high; hardy. Leaves glitter like silk, hence name. Flowers purplish brown and borne in clusters. Each 15c; large 40c.

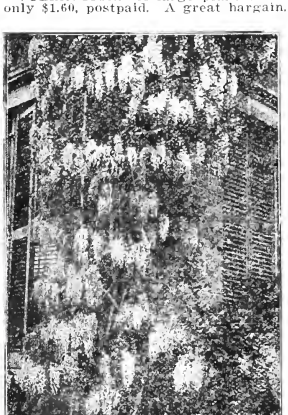
WOODBINE

VIRGINIA CREEPER.—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c; doz. $1.00. Large size 20c; doz. $2.00.

WISTARIA

BLUE CHINESE.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom it is magnificent. Each 15c; large 25c.

WHITE.—Similar to above; flowers white. Can furnish large plants only. Each 40c.



WISTARIA

HARDY VINE COLLECTION

One **Ampelopsis**, for the buildings; one **Clematis Paniculata**, for the front porch; one **Honeysuckle**, for the trellis in the front yard or on the lawn; one **Bignonia** (Trumpet Creeper), for the fence or screen. These are specially selected for the purposes mentioned but can be used to advantage in many different ways. We send one each of the beautiful vines postpaid for 40c, or will send extra large, strong plants suitable for immediate effects, by express, not prepaid, for 75c.

HARDY SHRUBS

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy plants sent by mail postpaid, except if they are quoted "by express" it means that customers are to pay cost of transportation. Those marked large or dormant are strong two-year-old plants. We will help you beautify your home. We can give you helpful advice about planting hardy shrubs and your inquiries will be answered without charge.



PRIDE OF ROCHESTER DEUTZIA

DEUTZIA

PRIDE OF ROCHESTER.—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth, with nice, luxuriant foliage and bearing an abundance of beautiful racemes of double pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these. Each 15c; large plants 30c.

GRACILIS.—Pretty, round, bush-shaped Deutzia, blooming freely. Each 15c; large size, each 25c.

CRENATA.—Flowers are double white, and tinged with pink. Small 15c; large 25c.

CANDIDISSIMA.—It grows about 3 feet high; bears pure white flowers. Each 15c; large plants 30c.

ALTHEA

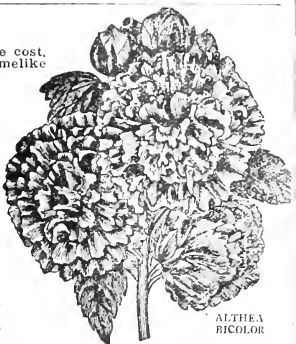
DOUBLE WHITE.—(Rose of Sharon.)—This is generally popular as one of the most beautiful shrubs. The bushes are of neat shape, have nice foliage and would be valuable as ornamental hedge plants even if they produced no flowers. The plants, however, are loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Each 15c; large size 25c.

DOUBLE RED.—Similar to above but flowers are bright red color. Each 15c; large 25c.

DOUBLE PURPLE.—Like above, except flowers are beautiful purple. Ea. 15c; large 25c.

DOUBLE BICOLOR.—White, blotched pink. Very beautiful. Each 15c; large 25c.

VARIEGATED LEAVED.—The beautiful foliage of this variety attracts attention everywhere. Deep green, bordered with band of creamy white. Flowers red. Each 35c.



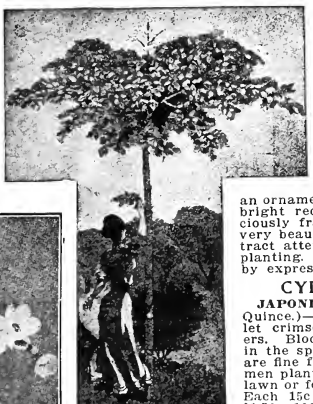
ALTHEA BICOLOR

BARBERRY

A well-formed, spiny shrub, growing 2 to 3 feet high and useful either as a specimen plant or for hedges. Described and priced as Hedge Plants, on next page.

ARALIA SPINOSA

A curious, spiny-trunked, shrub-like tree, also sometimes called Hercules' Club, or Devil's Walking Stick. Valuable for producing tropical effects. Very showy. Each 25c; extra large size by express 50c.



ARALIA SPINOSA

CALYCANTHUS

A beautiful sweet-scented shrub; is grown as an ornamental plant and is generally known as "Sweet Shrub." Flowers purplish brown, quite double, exquisitely fragrant. Each 15c; large size 25c.

DWARF HONEYSUCKLE

RED TARTARIAN.—The best variety of Lonicera for general planting. Bloom in June with beautiful pink and white flowers, followed by red berries. Is ornamental throughout the season. Each 15c; large 30c.

EXOCHORDIA

GRANDIFLORA.—(Pearl Bush.)—Neat, compact bush; 10 to 12 ft.; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 12 florets each. Each 15c; large size plants each 30c.



EXOCHORDIA

CORNUS

FLORIDA.—(White Fowering Dogwood.)—An ornamental and spreading, irregular-shaped tree producing large white flowers in the spring and rich crimson foliage in autumn. Each 15c; large 25c.

STOLONIFERA.—(Red Twigged Dogwood.)—A strong growing shrub with clusters of fine white flowers, stem and branches turning blood-red in winter. Is very conspicuous and ornamental. Each 15c; large 25c.

CORCORUS

JAPONICA.—(Kerria.)—A beautiful and graceful shrub from 2 to 3 feet high and is worthy a place on the finest lawn. The quantity of bloom makes it always a prominent feature in any landscape effect. Almost constantly in bloom from June to October. Produces hundreds of large, double, yellow flowers. Each 15c; large plants 35c

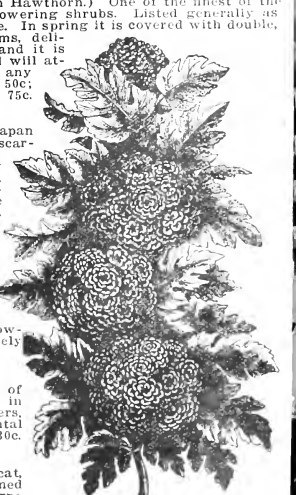
VARIEGATA.—A variety of Corcorus with nicely variegated foliage adding greatly to its natural grace and beauty. Each 15c; large 35c.

CRATAEGUS

DOUBLE RED FLOWERED.—(The true English Hawthorn.) One of the finest of the large flowering shrubs. Listed generally as an ornamental tree. In spring it is covered with double, bright red blossoms, deliciously fragrant, and it is very beautiful and will attract attention in any planting. Each 50c; by express, large, 75c.

CYDONIA

JAPONICA.—(Japan Quince.)—Bright scarlet crimson flowers. Bloom early in the spring and are fine for specimen plants on the lawn or for hedge. Each 15c; doz. $1.50; 100 $10. Large each 35c; doz. $3.25; 100 $20.00.



CRATAEGUS OR FLOWERING HAWTHORN

ELEAGNUS

LONGIPES.—(Japan Oleaster.)—A very desirable shrub with silvered foliage and bright orange berries of large size and agreeable flavor. Each 15c; large 35c.

FLOWERING ALMOND

DOUBLE PINK.—One of the earliest and finest of shrubs. Loaded with double pink flowers which attract attention. Mail size 40c; large, by express, 50c

DOUBLE WHITE.—Like above, but with snowy white flowers. Mail size 40c; large, by express, 50c.

FLOWERING CURRANT

The old fashioned, large growing Missouri Flowering Currant; grows 6 to 8 ft. high, bearing yellow flowers. Foliage finely cut, attractive. Each 10c; large plants 25c.

FORSYTHIA

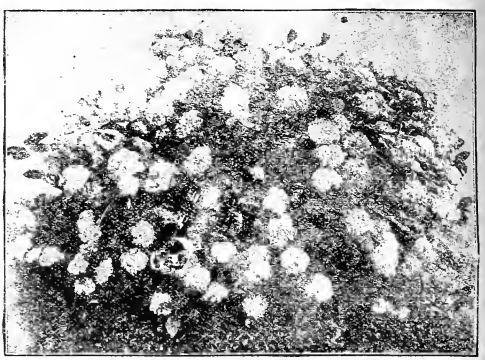
SUSPENSA.—(Golden Bell.)—A fine, hardy shrub of weeping or pendulous habit; deep green leaves and bright yellow flowers. Blooms early. Each 15c; large 25c.

FORTUNIS.—A more upright growing variety; yellow. Each 15c; large 25c.

VIRDISSIMA.—Blooms among first shrubs. Flowers yellow, drooping and in great numbers. A variety originally from China. Each 15c; large 25c.

HYDRANGEA

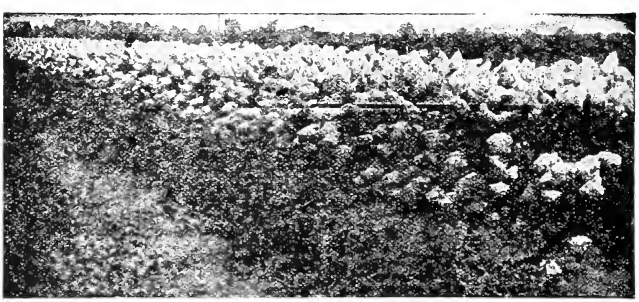
NEW SNOWBALL.—(Arborescens Grandiflora Alba.)—A magnificent new variety of the hardy hydrangea. Flowers are borne much more profusely than on the Paniculata and though the blooms are not so large they are pure white and more like the Snowball. Comes in bloom in July and August at a time when flowers of this type are scarce and is especially valuable for this reason. We believe this will become very popular and give satisfaction. Each 15c; large 40c.



NEW SNOWBALL HYDRANGEA

PANICULATA GRANDIFLORA HYDRANGEA.—Grandest and most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Is unsurpassed for the lawn, a hedge, or eemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and in July for two or three months, the flowers are massive, cone-shaped, sometimes ten inches in length, and chanaging from the original pure white to pink, and finally to a beautiful rich coppery red. Each 10c; doz. $1.00. Per 100, by express, $7.00. Large dormant plants, each 30c; doz. $2.50. **Special**—Two-year-old plants grown specially for hedges, by express, per 100, $12.75; 25 for $3.50.

TREE HYDRANGEA.—Large, specially grown plants of Paniculata Grandiflora in symmetrical tree form. Eaeh, by express, 75c.



HEDGE OF HYDRANGEA PANICULATA GRANDIFLORA

HEDGE PLANTS

Ornamental hedges are very popular, especially among dwellers in towns and cities and are used for boundaries and screens. Most desirable for landscaping as they add an effect not secured in any other way.

PRIVET.—California.—A most vigorous grower of compact and regular form; foliage a beautiful shade of glossy, wax-like green which it retains well into the winter, being almost an evergreen. Sometimes winter kill in this latitude but is hardy throughout the east and south. For hedges plant 8 to 10 inches apart. Strong one-year-old plants per doz. 75c; per 100 $6.00, prepaid. By express, per 100 $5.00; 500 for $17.50.

Amurense.—Hardy; handsome as above; glossy leaves and almost an evergreen. Fine for the north as it stands severest winters. Ea. 15c, doz. $1.50, 100 $11.50, prepaid. By express, per 100 $9.00.

HYDRANGEA.—Paniculata Grandiflora.—Description and price above.

SPIREA.—Van Houtte.—Described on next page. By express, per 100 $8.00; large plants $14.00.

BARBERRY.—Purple Leaved.—Handsome hedge plant; foliage always clean; deep, rich plum color; does not fade out in summer. Each 15c, doz. $1.50, postpaid. Extra large, srtong specimen plants 35c, $3.00 per doz. By exp., 100 $12.00.

Thunbergii.—Very pretty variety from Japan; dwarf, graceful habit; foliage is small, changing to beautiful bright red early in fall; showy. One of the prettiest hedge plants grown. Ea. 15c, doz. $1.50. Large 25c, doz. $2.50. By express,



HEDGE OF CALIFORNIA PRIVET

LILAC

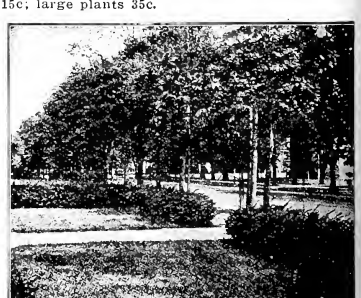
PERSIAN.—A well known and strong growing shrub, bearing large, fragrant clusters of purple flowers very early in spring. Each 20c; large 35c.

FIERY PLUME.—A novelty in lilacs. The brightest and nearest red flower of all the lilacs. Very showy and desirable. Each 25c; large plants 50c.

NEW DOUBLE WHITE.—This is a recent novelty of great merit and the finest flowering shrub introduced for many years. The truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberoses. Each 25c; large plants 50c.

COMMON.—The old standard variety with bluish purple flowers. Eaeh 15c; large 25c.

SINGLE WHITE.—Like above, but has white flowers, making it more desired by some. Each 15c; large plants 35c.



HEDGE OF BARBERRY

POTENTILLA

FRUTICOSA.—A small, bright-flowered shrub that grows well in moist situations. Growth upright, leaves narrow, silky; peculiar shreddy bark. Bright yellow flowers continuously from July. Each 15c, large 25c.

PURPLE FRINGE

Commonly called Smoke Tree. A large shrub with long, feathery flower stalks, giving it the appearance of being covered with a cloud of smoke. Each 15c, large 40c.

ROBINIA

HISPIDA.—Variously known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When in bloom it is really a big bouquet itself, full of dainty sprays of large, lovely, rose-pink blossoms of size and shape of sweet peas. Each 25c.

SAMBUCUS

GOLDEN LEAF ELDER.—Another year only adds to our high opinion of this shrub. It is the most showy of all shrubs for the lawn. Grows to a height of about 6 feet and has wide spreading branches. Its leaves are of dark, dazzling yellow color. Each 15c, doz. $1.50. Large plants 30c.

VARIEGATED.—A variegated green and white sort. Each 15c, large plants 35c.

CUT LEAVED.—Elegantly divided leaves. Each 15c, large 30c.



SPIREA VAN HOUTTEI (*Bridal Wreath*)

SWEET PEPPER BUSH

(Clethro.)—One of the handsomest of our native shrubs; pure white; delicious flowers in July and August. Each 15c, large 25c.

SYMPHORICARPUS

RACEMOSUS. — (Snowberry.) — Bear small pink flowers, followed by large white berries, which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

VULGARIS.—(Coral Berry.)—Is like above; has small red fruit. Each 10c, large plants 25c.

SYRINGA

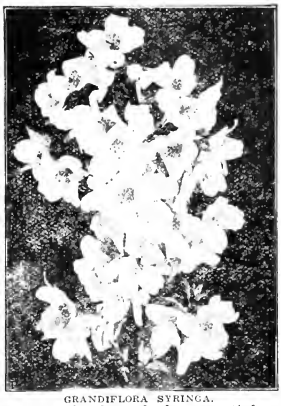
GRANDIFLORA.—Is one of the strongest growing varieties with lovely, large, very fragrant flowers. Each 15c, large 30c.

LE MOINEI.—A charmingly fragrant variety. Flowers yellowish white. Each 15c, large 30c.

SPIREA

BILLARDII.—A strong growing variety; pink flowers. Each 15c, large plants 35c.

PRUNIFOLIA.—A plant of symmetrical growth; bears long, graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large plants 25c.



GRANDIFLORA SYRINGA.

DOUGLASII.—Somewhat larger flowered than Billardii. Spikes of deep rose-colored flowers. Each 15c, large plants 25c.

ANTHONY WATERER.—Makes a dwarf bush 18 to 36 in. high, covered from spring until late in fall with large heads of crimson flowers. Fine for borders and hedges. Ea. 10c, doz. 85c; large 25c, doz. $2.00.

VAN HOUTTEI.—(Bridal Wreath.)—The hardiest of all Spireas. The bushes form fine compact clumps, the pure white flowers borne in such masses that they form great plumes, drooping gracefully, giving the appearance of a snow-bank of white bloom. Each 15c, doz. $1.25, 100 $8.50. Large, each 25c, doz. $2.00, 100 by express $14.00.

THUNBERGIA.—Slender, gracefully drooping branches. Has single white flower. Blooms early. Each 15c, large plants 30c.

SNOWBALL

COMMON.—A well known and popular shrub covered with dense white flowers, which gives it its name. Each 15c, large plants 25c.

JAPAN.—A valuable improvement on the common Snowball; the flowers are smaller and more numerous, frequently as many as 20 on a stem 18 in. long. Each 15c, large 35c.

TAMARIX

Foliage light, feathery and graceful; sage blue in color and very charming. Blooms through summer and autumn; flowers pink. Each 10c, extra large plants 35c.

VIBURNUM

OPULUS.—(High Bush Cranberry.)—Handsome and dense foliage; the flowers white in drooping flat cymes, followed by brilliant scarlet fruit in showy bunches, remaining on the plants all winter. Each 15c, large plants 30c.



JAPAN SNOWBALL

WEIGELIA

ROSEA.—No shrub in our large collection has attracted more attention. It is of robust but graceful growth, five to seven feet high, and produces immense numbers of superb large trumpet-shaped flowers in June and July, and also some in the fall. The plants frequently have more flowers than leaves. Flowers shade from dark pink to nearly white in same cluster. Each 15c, doz. $1.50. Large 25c, doz. $2.50.

EVA RATHKA.—A splendid new variety and perhaps the handsomest yet produced. Large purplish red flowers with rich, creamy white markings. Each 20c, large 40c.

VARIEGATED.—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; flowers delicate pink. A fine variegated-leaved shrub. Each 15c, large plants 35c.

GRANDIFLORA WHITE.—Like the Eva Rathka and equally as desirable. Flowers are pure white without shade or markings. Each 15c, large plants 35c.

A GREAT SHRUB OFFER

Our special bargain of hardy shrubs. There is just enough to afford an opportunity for effective planting in the ordinary building spot.

A choice collection for permanent planting: **1 Deutzia; 1 Forsythia; 1 Spirea; 1 Hydrangea,** Paniculata Grandiflora; **1 Weigelia,** Rosea; **1 Cydonia; 1 Syringa; 1 Climbing Honeysuckle; 1 Potentilla; 1 Althea. Ten different sorts altogether.**

All postpaid 88c. Large two-year-old plants by express, not prepaid, $2.00



WEIGELIA ROSEA



HARDY PERENNIAL PLANTS

It is really wonderful the immense demand which there has been for these hardy plants during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in the spring. Cover with leaves or litter after ground is frozen. We prepay the postage on all of these.

ANEMONE

WHIRLWIND.—This beautiful Japanese Anemone has proved one of the finest hardy fall-blooming plants in cultivation, growing to a height of 3 feet, and holding up on stiff stems double flowers from two to three inches across, of pure white, and heavy, waxy texture. A large bed of this is worth going miles to see, and the large, graceful flowers are fine for cutting. Each 15c, doz. $1.50.

QUEEN CHARLOTTE.—Similar to above but earlier and of beautiful shell pink color. An early flowering pink Anemone. Each 15c, doz. $1.50.

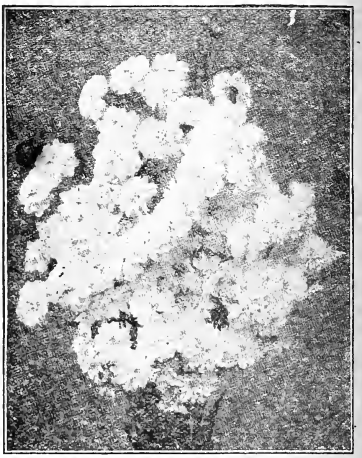
ACHILLEA

THE PEARL.—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant 18 inches high, completely covered with pure white flowers from July until frost. We cannot too highly recommend this for general planting. Cut shows the heads of bloom which cover the plant. Each 10c, doz. 75c.

MILLIFOLIUM ROSEUM.—Finely cut, deep green foliage. Bears a mass of handsome, bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. Each 10c, doz. $1.00.

ANTHEMIS

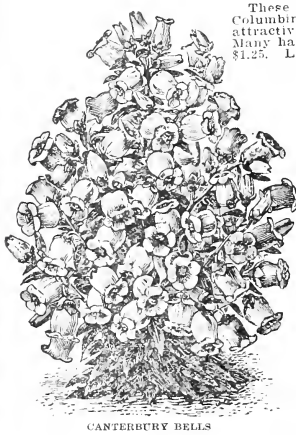
GOLDEN.—A fine yellow flowered perennial; a continuous bloomer the entire summer notwithstanding both wet and dry weather. The flowers are of the exact form of a Marguerite daisy but clear yellow. Each 10c, doz. $1.00.



PEARL ACHILLEA

AQUILEGIA

These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, doz. $1.25. Large clumps 25c.



CANTERBURY BELLS

ASTILBE

JAPONICA.—(Spirea Japonica.) — Hardy everywhere, growing about two feet high, in compact shape, with handsome foliage, from above which rise its panicles of small, feathery white blossoms, the embodiment of grace and delicacy. Give a half-shaded position. Each 15c.

ARABIS

ALPINA.—A very desirable early spring flowering plant for edgings and borders. Forms dense growth and is completely covered with pure white flowers. Each 10c, doz. $1.00.

ARUNDO DONAX

An ornamental plant having wide, but grass-like foliage variegated white and green. Very showy and desirable for bedding. Each 15c, doz. $1.50.

ASCLEPIAS

TUBEROSA.—Butterfly Flower.—Bright orange flower; very showy. Plant is a native perennial, growing about two feet high, blooming beautifully in July and August. Each 15c.

ALYSSUM

SAXTILE COMPACTUM.—A fine plant for rockeries or for borders, growing about 12 in. high; produces bright yellow flowers in masses. Each 15c, doz. $1.50

BABY'S BREATH

(Gypsophila Paniculata.)—This possesses a grace not found in any other perennial, and when in bloom it forms a symmetrical mass 2 to 3 feet high, of minute white flowers, giving it a beautiful mist-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, doz. $1.00.

DOUBLE BUTTERCUP

This is a dainty little novelty. The flower is from one-half to three-fourths inch in diameter, perfectly double and of a peculiarly shining bright yellow color, giving it an appearance as though varnished, and blossoms are produced in the greatest profusion. The ladies as well as the children go into ecstacies over them. Each 15c, doz $1.50.

CANTERBURY BELLS

We can furnish assorted colors. These are wonderfully fine perennials, which if well grown will often reach 3 feet in height. Color of flowers blue, rose or white. Ea. 10c, doz. $1.00. Large clumps, each 25c.

DICENTRA (Bleeding Heart)

SPECTABILIS.—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chain of pendulous bloom of exquisite beauty. One of the most satisfactory of permanent plants, and a general favorite. To secure best results keep soil loose and rich. Each 15c, doz. $1.40.



BLEEDING HEART



FOXGLOVE

FOXGLOVE

(Digitalis.)—These are most satisfactory summer flowering hardy perennials, succeeding under almost all conditions, and with but trifling attention will give wealth of flowers during June and July. They are used extensively with good effect in shrubberies and in other shady situations. Each 10c, doz. $1.00.

BISHOP'S SILVER BEDDER

(Aegopodium.)—Splendid ornamental plant, extremely hardy, coming up each season with increased vigor. Grows about 10 to 15 in. high, has beautiful foliage, the leaves resembling somewhat the ampelopsis in form. Leaves are brilliant green, bordered a clear white, and the contrast is very pleasing and effective. It is fine for solid beds for permanent location and can be used with good results for borders of flower beds or hardy gardens. It is especially desirable for planting close to porches and house foundations as it stands adverse conditions. Each 15c, doz. $1.50.

HOLLYHOCK

These old favorites are again becoming popular. Both showy and desirable for massing and backgrounds. Mixed colors, including black, white, pink, yellow and red. Each 15c, doz. $1.50.



HEMEROCALIS KWANSO

HEMEROCALIS

KWANSO. — (Double Corn Lily.)—A double flowering orange lily. Flowers beautiful orange, shaded copper, and bloom freely during July and August. Each 10c, doz. $1.00.

COREOPSIS

GRANDIFLORA.—Very desirable for permanent plantings, producing flowers of bright yellow from June until frost. The flowers last a long time in bouquets. Each 15c, doz. $1.50.

COLUMBINE

Columbines are old favoritelate spring and early summer blooming plants. Often called Wild Honeysuckle, and some varieties are found growing wild in various portions of the country. They grow about 2 feet high and succeed in any ordinary garden soil. The varieties offered are a selection of best kinds. Ea. 15c, doz. $1.25. Large clumps each 25c.

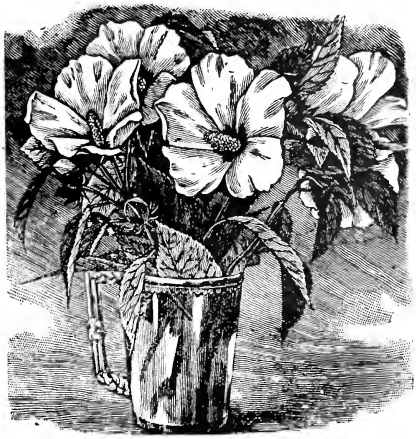
DAY LILY

WHITE.—(Funkia.)—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant, lily-shaped white flowers. Each 15c, doz. $1.50.

BLUE.—Like above only flowers are of a lovely blue color, borne on tall spikes. Each 10c, doz. $1.00.

VARIEGATED. — Beautifully mottled dark green and pure white leaves, lilac flowers. Each 15c, doz. $1.50.

ONE EACH OF THE THREE VARIETIES OF DAY LILY POSTPAID FOR 30c.



CRIMSON EYE HIBISCUS

HIBISCUS

CRIMSON EYE. — This elegant Hibiscus is a robust grower, with red stems and green foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of purest white, with a large spot of deep velvety crimson in center of each flower. It will succeed anywhere; is perfectly hardy. Each 15c, doz. $1.25. Extra large plants, each 20c.

MOSCHEUTUS — Also called Swamp Rose Mallow. A splendid pink Hibiscus, with eye of darker shade, free flowering and beautiful. Each 10c, doz. $1.00.

MEHAN'S MARVEL MALLOW

A magnificent new strain of hardy Mallow, which for size and profusion of bloom and richness of coloring are among the most beautiful and striking perennials. Blossoms are from 8 to 10 inches in diameter and the colors range from fiery crimson to pure white. All the various shades of pinks and reds are rich in coloring and striking in brilliancy. Each 20c, doz. $2.00.



GAILARDIA GRANDIFLORA

DELPHINUM

FORMOSUM. — (Hardy Larkspur.) — Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. Each 15c, doz. $1.50.

GAILARDIA

GRANDIFLORA.—Begin to flower in June and continue one mass of bloom the entire season. Will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy, they require absolutely no protection. The flowers are large, from 2½ to 3½ inches in diameter. They are produced on long stems, excellent for cutting and of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson orange and vermilion. Each 15c, doz. $1.50. Large clumps 25c.

HELIANTHUS

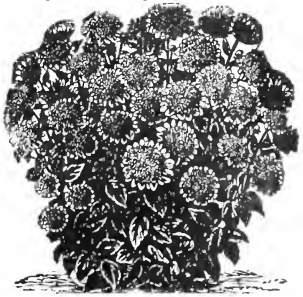
MULTIFLORUS PLENUS.—This should be in every garden and will give entire satisfaction. Flowers from 2 to 4 inches in diameter, double as any double dahlia, and cover the plant. Color is a bright golden yellow. Give it a sunny position and a rich soil. Each 15c, doz. $1.75.

I am very pleased with the plants you sent. Both of the orders arrived in excellent condition, and if they don't live it will be my own fault.—Miss Ida Haas, Dakota Ill.

CEMETERY COLLECTION OF HARDY PLANTS

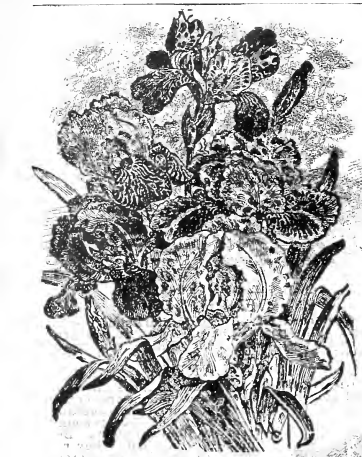
Chosen for cemetery planting because they will grow continuously, bloom freely, and require but little care.

2 Pearl Achilea, 1 White Hardy Pink, 1 Hardy Candytuft, 1 Armeria (Sea Pink), **2 Creeping Phlox, 1 Green Myrtle, 8 fine plants in all, postpaid for only 50c.**



HELIANTHUS MULTIFLORIS PLENUS

GERMAN IRIS



GERMAN IRIS

The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow, and bloom luxuriantly. Unless otherwise noted, price of any variety is 10c each, doz. $1.00. Large clumps each 30c, doz. $3.00.

ALEXANDER HUMBOLDT.—Standards violet, falls purple, veined white. Large, bold flower in clusters of five on strong stems.

CELESTE.—Large, open flower of pure celestial blue, changing to porcelain blue as it ages. Profuse bloomer, well above the foliage.

FLAVESCENS.—Standards cream white, falls primrose. Finest yellow. Tall growing, late blooming variety.

FLORENTINA.—Rich indigo blue throughout. Flowers large and full. Fine bloom and quite lasting. A very satisfactory sort.

FLORENTINA ALBA.—The best white Iris. A form of Florentina, but more vigorous, very early and fine. Plant with Florentina for contrast.

HONORABLE.—Standards bright yellow, falls crimson purple, veined white. Free bloomer. Striking in contrast planting.

LA TENDRE.—Standards lavender, falls light blue, tipped lavender. A very pleasing, clear, bright color.

MADAME CHEREAU.—Pearly white, edged with broad ruffled band of violet. Flowers crumpled beautifully. A satisfactory late variety.

PRESIDENT THIERS.—Standard mauve, penciled brown at base, falls purple, striped brown and white. Tall and vigorous.

PLUMERI.—A clear wine red throughout. A distinct color in Iris. Stalk throws out tall stalk and is a free bloomer. Each 15c, doz. $1.50.

SANS SOUCI.—Unique color combination, violet and yellow, flushed apricot. Blooms freely and holds its flowers well.

SHAKESPEARE.—Standards light yellow, veined seal brown, falls deep carmine violet. Striking in beauty, with clean cut colors.

JAPANESE IRIS

These magnificent Iris are among the most beautiful of the summer-flowering plants. Of immense size, and their coloring is exquisite. Think of a plant sending up to a height of three feet, an elegant flowering spike, each one bearing two to four blossoms eight or ten inches across, and of the most beautiful markings and combinations of colors—white, indigo, purple, blush, yellow, etc. Except the Orchid no other can compare with this delightful flower; as easily grown as a potato, in any good garden soil. Plant with bulbs. Do not disturb. Once planted, they are a joy for a lifetime. Blooming profusely in June and July. Can supply separate colors. Double mixed, each 15c, doz. $1.50. Single mixed, each 15c, doz. $1.25.



PERENNIAL CANDYTUFT

IRIS SIBERICA

A favorite variety with all. Blue flowers. Foliage is less showy than the German Iris, smaller and much finer than the German Iris and more graceful, nearly resembling the Japanese. Each 15c, doz. 60c.

IRIS PUMILA

A dwarf, early blooming variety, quite desirable for borders and edgings. Violet blue flowers. Each 5c, doz. 60c, 100 $3.00.

IBEPIS

SEMPERVIRENS.—(Perennial Candytuft)—A dwarf plant producing clusters of handsome white flowers. One of the finest perennial plants for mass bedding. A mat of bloom in spring. Each 10c, doz. 90c.

LATHYRUS

PERENNIAL PEAS.—The sweet pea, which will remain permanently in the beds or rows as planted. We can supply them in choice mixtures of colors. Each 10c, dozen $1.00.

LINUM

PERENNE.—A variety of perennial flax with graceful foliage and bearing flowers of light blue. Very attractive. Ea. 10c, doz. $1.00.

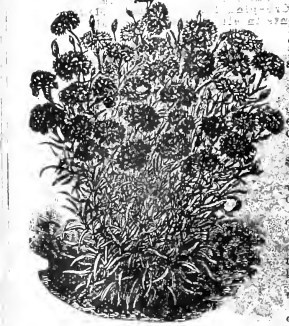
LYCHNIS

CHALCEDONICA.—(Firefly.)—An old favorite, bearing large heads of bright scarlet flowers. Each 15c, doz. $1.25.

HAAGEANA.—(Maltese Cross.)—More dwarf than chalcedonica, but produce fine orange scarlet flowers. Each 15c, doz. $1.25.

MONARDIA

DIDIMA.—(Oswego Tea.)—The flowers bright scarlet, produced in spikes. Each 10c, doz. $1.00.



HARDY GARDEN PINK

MYRTLE

GREEN.—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy, dark green leaves which form a mat over the surface of the ground. Flowers heavenly blue. Each 10c, doz. 90c, 100 for $6.00.

PLATYCODON (Wahlenbergia)

A bushy herbaceous plant 2 to 3 feet, with handsome, deep green foliage and bearing grand clusters of beautiful large bell-shaped flowers; blooms very profusely and continuously all summer if flowers are removed as soon as they begin to fade. Flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of blue, lavender and white. The plants increase in size from year to year and are sure to please. Single flowered, each 10c.

HARDY GARDEN PINKS.

Dwarf hardy garden plants, that will grow anywhere and increase in beauty every year. A universal favorite because of delightful, clove-like fragrance.

LAURA WILMER.—A choice variegated sort of great beauty. Each 10c, doz. $1.00.

ABBOTSFORD.—Deep carmine, marbled with white, clove fragrance. Each 15c, dozen $1.25.

ELSIE.—Bright rose with maroon center. A general effect pleasing and attractive. Each 15c, doz. $1.50.

WHITE RESERVE.—Clear white. Each 15c, doz. $1.50.

HER MAJESTY.—A grand variety, plants grow to immense size, spreading and producing numerous pure white, double flowers. Each 10c, doz. $1.00.

HOMER.—Flower contains a dark center surrounded by red ground color. Each 15c, doz. $1.50.

MIXED VARIETIES.—Desirable for large beds or borders. Doz. (6c, $2.00; for $4.00. Large clumps of named varieties of Garden Pinks, 20c each, per dozen $2.00.

SUCCESSION IRIS BED

One plant each of the twelve named sorts of German Iris, giving a contrast in color and from first early spring to the middle of June. Also two Siberian Iris and two Pumila Iris. In all, sixteen choice Iris of different types and colors, postpaid, for only, $1.50. This collection in field-grown clumps for immediate effect, price is $4.50.



GARDEN PINKS COLLECTION

On strong plant of each of the seven named varieties of Garden Pinks, postpaid for 60 cents.



WHITE PAEONIES.

FESTIVA MAXIMA.—The finest double white paeony grown. The flowers of immense size, perfectly globular; the guard petals being large, white, the inner petals are crimped, thus making it appear extremely double. The color is of the purest snow-white with sometimes slight carmine marks in the center. Our price only 25c, doz. $2.00.

QUEEN VICTORIA.—Very double and compact; color flesh white, white center, petals lightly spotted with pink. A half dozen of these make a magnificent bed. Each 25c, doz. $2.50, $3 per 100.

GOLDEN HARVEST.—This is probably the purest approach to a yellow Paeony. Outer petals light flesh, fine yellow center. Very prolific, bearing flowers in clusters of five. Each 50c, doz. $5.00.

MARIE LEMOINE.—A rare and magnificent variety. Flowers are enormous, opening a light blush pink, changing to white when flower is mature. Very late bloomer. Each 75c, doz. $7.50, 100 $50.

PINK AND ROSE PAEONIES.

"ALL-AGLOW."—Iowa Seed Co's magnificent pink. Well described by its name, outer and guard petals are delightful pink, while entire center is rich salmon tint. Flowers are extra large and intensely brilliant; blooms from medium early till very late. One of the best pink paeonies in existence. Each 35c, doz. $3.50.

VICTORIA TRICOLOR.—Is a very large, full flower; outer petals pale rose, inner petals white and center bright rose. Quite showing three shades of color from which it takes its name. Each 25c, doz. $2.50.

FLORAL TREASURE.—One of the finest in the entire list. The flowers are extra large and very double, exceedingly prolific; color soft delicate blush pink. Each 40c, doz. $4.00.

LA ESPERANCE.—An exceedingly fine vivid rose-colored flower, growing compact and highly perfumed. Early and free flowering. Each 25c, doz. $2.50.

JENNY LIND.—A lovely shell pink colored flower of extra size and early blooming. Plant strong and free flowering. One of the best of the light tinted sorts. Each 25c, doz. $2.50.

ANDRE LAURIES.—A very double flower of deep bright rose. Blooms late in season. Strong, robust grower. Each 25c, doz. $2.50.

RUBELLA.—Very large and full and one of the finest deep bright pink and delightfully fragrant. Elegant foliage; a fine specimen for the lawn. Blooms late. Each 25c, doz. $2.50.



PAEONY COLLECTION—Six fine Paeonies, including one of our beautiful "All Aglow," the other all different, ppd. $1.00

PAEONIES

The Paeony is truly a most noble flower and rivals the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said that the Paeony fully equals the rose except in poetry, perfume, thorns and disease. They are of the easiest culture, most vigorous habit, and free from disease and insects. The foliage is rich, glossy and ornamental, even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large and showy bouquets. Plant the paeonies this year, plant lots of them in rows, beds or as specimen plants on the lawn. They make a grand show. May be transplanted either in spring or fall. Set out early in spring as possible. Fall planting should be done in September or October, and they should be protected the first winter slightly. They may be left undisturbed for twenty years or more. In planting set the crowns two inches below the surface. We pay the postage.

OUR PAEONY BARGAIN

One white, one pink, and one red, our choice of varieties, but good plants, and will produce good flowers. A real bargain this season.

3 DIFFERENT COLORS, Postpaid for 50c.



LA ESPERANCE

BRIGHT AND DARK RED PEONIES.

RUTH.—Color of the American Beauty Rose. An especially choice sort. Foliage rich, glossy green, ornamental even when the flowers are not in bloom. Flower is of large size, perfectly double. Each 25c, doz. $2.50.

MARECHAL VALIANT.—Beautiful solid flower of deep rose color, changing from most sorts in the solid flower having practically no division of outer petals and center. Very double, late flowering. Each 35c, doz. $3.50.

GRANDIFLORA RUBRA.—Has extra large balls of blood red, magnificent flowers. Probably the largest red variety in existence, often 8 inches across. Give it rich soil and you will be surprised. Each 50c, doz. $4.75.

RUBRA TRIUMPHANS.—An early blooming and very sweet-scented flower of rich, brilliant, glowing, satiny crimson color. Each 35c, doz. $3.00.

POTSII.—Color deep, dense, bright crimson; a free bloomer. A beautiful and desirable variety. Each 25c, per dozen $2.50.

PRINCE IMPERIAL.—Deep purplish crimson, shining and satiny. Flower very double, rich and striking; early. Splendid sort for contrast with lighter shades. Each 50c, dozen $4.50.

PINK PAEONY OFFER

We have a surplus of pink sorts, and as they are not all of one shade of color will make a beautiful bed or border.

SIX FINE PINK PAEONIES, POSTPAID FOR $1.00.



PARDANTHUS

(Blackberry Lily.)—Quite curious and handsome. The flowers are orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, per dozen 85c.

HARDY PHLOX

We know of nothing in hardy perennials more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Flowers are very large and have exceedingly brilliant shades of color. Bloom from spring to very late fall. A collection of all the sorts we list is offered below and if these varieties are massed in good soil, kept loose, the results will be a splendid show of immense flowers intermingled red and white.

BACCHANTE.—A tall growing variety of light pink or rose shade, producing good size heads of attractive blooms. Ea. 15c.

CHAMPS ELYSEE.—A light purple or magenta blossom, quite attractive. It is rather a dwarf sort, but is a good grower and produces large blooms. Each 15c.

COLIBRI.—A very late bloomer of good size and form. Color White with crimson center. The general appearance of the flower is bright and beautiful with decided contrast in color. Each 15c.

ECLAIREUR.—Light purplish crimson with outer shading of lighter pink. An attractive flower and plant of good habit. Each 15c.

HERMINE.—Most dwarf sort, growing only about 10 inches high. Pure white flowers. Suitable for outer edging of phlox bed. Each 10c.

OBERGARTNER WITTIG.—This is one of the finest of Phloxes. Strong growth, large truss and flower of bright purplish red with bright carmine eye. Ea. 15c.

PANTHEON.—Bright carmine rose blossom of great beauty. One of the most popular. Each 15c.

PEARL.—Best pure white variety. A standard sort and a great favorite because of purity of color. Large, beautiful flowers. Each 10c. Can supply field grown clumps. Each 25c.

SUNSHINE.—A composite flower of great beauty. Ground color bright red with deep crimson eye and border of light pink. A popular variety. Each 15c.

VESUVIUS.—This is a very bright, attractive sort. Color bright red with purple eye. A combination quite distinctive. Good blooms on strong plants. Each 15c.

MIXED VARIETIES.—A fine assortment. Each 10c; dozen 85c. Large field grown clumps, each 25c.



HARDY PERENNIAL PHLOX.

CREEPING PHLOX

(Phlox Sublata.)—The Creeping Phloxes have a charming beauty and, for general usefulness, are not surpassed by any flower that grows. They will thrive in any situation, except a very shady one; and in any soil, no matter how poor, unless it is very wet. They are absolutely hardy without protection. They have neat, evergreen foliage, and when in bloom, during the months of April and May, their multitude of lovely pink, white or blue flowers cover everything beneath as completely as a carpet covers a floor. They bloom again in September, but not so freely. They do well on good soil, but are also desirable for covering rocky hillsides, sandy slopes, bare ground too poor to grow anything else, and for edging borders of hardy plants or shrubbery they are unsurpassed. Botanically known as Phlox Sublata. We can funish three colors: pure white, deep pink and light blue. Each 10c, dozen 75c, per 100 $5.00.

POPPY

ICELAND.— Has fern-like foliage; bears an immense number of elegant flowers. Each 15c, dozen $1.25.

ORIENTAL.— Mammoth flowers of gorgeous colors. Ea. 15c, doz. $1.25.



PHLOX SUBLATA, OR CREEPING PHLOX

GRASS PINKS

The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen 75c.

PLUME POPPY

(Bocconia - Cordata) — Tall and stately, ornamental and sub-tropical in appearance with large plumes of white flowers on stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously through July and August. Each 15c, dozen $1.25.

The seeds and paeony roots all reached me in good condition. I appreciate your liberality in sending extra seeds.—Sarah E. Gibson, Hagerstown, Md.

PERENNIAL ASTER

Very showy, strong growing and free flowering, presenting a mass of small, bright flowers in large clusters during late summer and autumn. Many shades of color. Each 10c, per dozen $1.00.



BLUE SPIREA

One Plant, Ten Hardy Phloxes, Postpaid, $1.25

RUDBECKIA

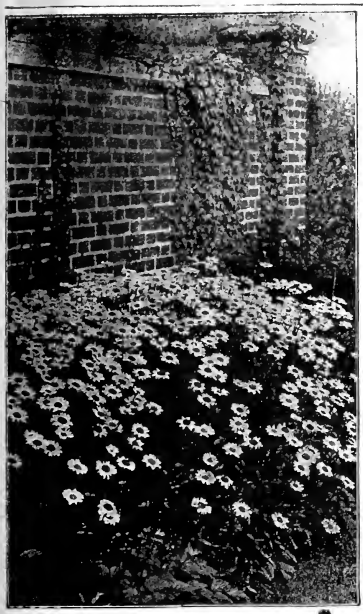
GOLDEN GLOW.—A glorious hardy plant that should find a place in every garden. It is of fine habit; vigorous growth, with early, continuous and immense blooming qualities. The stems are long and gracefully poised. It attains a height of six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each are as large as a good sized chrysanthemum. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, dozen $1.00.

BLUE SPIREA

(Caryopteris.)—This is a handsome shrubby plant for pots or open ground. Bloom from midsummer until heavy frosts. Each 10c, dozen $1.00. Field grown each 25c.



GOLDEN GLOW (RUDBECKIA)



SHASTA DAISY

PYRETHRUM

GRANDIFLORUM. — A summer bloomer, with flowers closely resembling the daisy. Splendid for cutting as the blooms will hold their form and color for a week. Each 15c, doz. $1.50.

RIBBON GRASS

Large variegated striped grass; foliage is green ,striped white. No two leaves alike. Pretty in clumps or borders. Ea.10c, doz.75c.

SAPONARIA

(Bouncing Betsey).—Old-fashioned perennial with large double pink flowers. Each 10c, doz. 75c.

SHASTA DAISY

This is one of the most marvelous productions in the flower line. It can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial and blooms better and more abundantly each season. The flowers are extremely large and graceful, averaging about 4 inches in diameter, with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly 2 feet long. Strong plants 15c each, doz. $1.25. Field grown clumps 25c.



SWEET WILLIAM

Well known, free blooming, hardy perennial plants which produce masses of lovely, brilliant, sweet-scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels with individual flowers nearly an inch across. Color white, pink, crimson, purple, etc., with rich markings. Single, each 10c, doz. 85c; double, each 15c, dozen $1.00.

VIOLETS

Of all perfumes that of violets is no doubt the most delicate and pleasant and easily places these modest blue flowers among our greatest favorites. Grow and bloom freely if given a cool situation, but will not succeed in a warm place. Cover well to insure protection in winter.

SWANLEY WHITE.—Finest double variety and a decided acquisition. Of vigorous growth, producing a great many pure, snowy white, double flowers. Has such delightful odor that it is called "Queen of Fragrance." Each 15c, doz. $1.50.

MARIE LOUISE.—To contrast with the white, we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. Is of easy growth. Each 15c, doz. $1.50.

CALIFORNIA.—Grand single variety. Sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading violet blue. The flowers are large and borne on stems 10 to 12 inches long. Hardiest of all. Each 10c, doz. $1.00.

PRINCESS OF WALES. — Broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. One of the most beautiful and free flowering violets. Each 10c, dozen $1.00.

SEA PINK

ARMERIA OR THRIFT.—Foliage narrow and grass-like and bears compact heads of flowers of handsome pink color; is entirely hardy. Each 10c, doz. $1.00.

STOKESIA

CYANEA. — It produces showy aster-like deep blue flowers, which measure from 4 to 5 inches across. Each 15c, doz. $1.50.

TRITOMA

PFITZERI. — Sometimes called Flaming Torch or Red Hot Poker Plant. At floral exhibitions and when sent out as cut flowers to market, it attracts great attention. Grows from 3 to 4 ft. high, the flower measuring 12 to 15 in. long; dazzling scarlet tinged rich orange. Each 15c, doz. $1.50.



TRITOMA PFITZERI

YUCCA

FILAMENTOSA.—(Adam's Needle.)—Tropical looking plant with long, narrow leaves, remains green entire year. Grows in clumps and throws up flower stalks from 3 to 4 ft. high, from which hang 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. Each 15c, doz. $1.50. Strong two-year-old plants 30c.



YUCCA FILAMENTOSA.

INTRODUCTORY COLLECTION OF HARDY PLANTS

Offered at an exceptionally low price to induce our customers to make a beginning in permanent plantings, as we believe if once established these flowers will demonstrate the advantage of hardy plants for the home grounds. The collection consists of—

3 Blue Day Lily, 1 Orange Lily, 2 Sweet William, 2 Pearl Achillea, 2 Canterbury Bells, 3 German Iris.

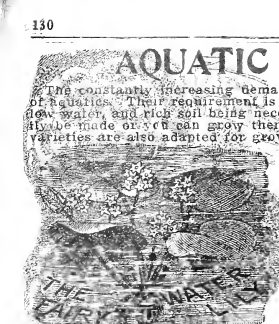
The total value of the above at catalogue rates is $1.25, but we will send you the collection as named, postpaid, for 75c; by express, not prepaid, 50c.



MARIE LOUISE VIOLET

AQUATIC PLANTS

The constantly increasing demand proves the coming popularity of aquatics. Their requirement is very simple, only sunshine, shallow water, and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. Most of the varieties are also adapted for growing in aquariums.



FAIRY WATER LILY.—(Limanthemum Trachyspermum.)—A fine little plant for the aquarium, resembling a miniature water lily. Leaves are about 2 inches in diameter and the flowers are borne on the same stem and close up to the leaves. Color of flowers is pure white and they are produced continuously. Price, each 15c, 6 for 80c.

WHITE POND LILY.—The ordinary water lily which sometimes grows wild in western lakes and ponds. Its beauty, fragrance and delicacy make it much sought after and very popular. Flowers are pure white with yellow stamens, and too much cannot be said of its exquisite loveliness. It is not difficult to grow as it is indigenous to this section and perfectly hardy. Strong roots each 20c, dozen $2.00.

PINK POND LILY.—(Nymphea Odorata Rosea.)—This is the well known pink pond lily of Cape Cod. While not so hardy or productive as our western pond lily, the beauty of the flower with its delicate coloring, make it a desirable variety, and even one blossom will repay the grower with its loveliness for the care and labor bestowed upon it. Is hardy and not difficult to grow. Strong roots each 65 cents.

YELLOW POND LILY.—(Nymphaea Flava.)—Ha flowers of golden yellow color. Each 60c.

EGYPTIAN LOTUS.—(Nelumbium Speciosum.)—A noble aquatic plant. Known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each $2.50.



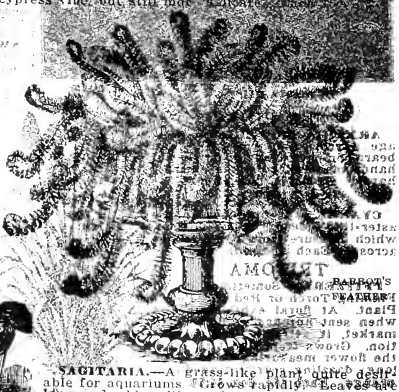
CYPERUS OR UMBRELLA PALM



WATER LILIES

UMBRELLA PALM.—(Cyperus ...) An ornamental plant which throws up slender, round stems about two feet high, surrounded at the top with whorls of ribbon-like leaves, overspreading somewhat gracefully the plant in a very curious and fantastic manner. It is a splendid decorative plant for ... as a palm or fern and ... as the commonest weed and ... as well as the sun. It is an ... the dining-room table or ... moist spots, or for aquariums or fountains. It will have an abundance of ... though ... well in dry soil. We sell ... and they are always satisfa... 25c and $50 each.

PARROT'S FEATHER.—A ... trailing stems are covered with ... quisite foliage, as finely ... cypress vine, but still more ...



PARROT'S FEATHER

POND LILY COLLECTION

One each of the following beautiful pond lilies by mail, postpaid, only $1.40:

Fairy Water Lily
White Pond Lily
Pink Pond Lily
Yellow Pond Lily

LUDWIGIA.—A pretty plant with smooth green leaves, variegated at certain seasons with yellow and red. It grows nicely in pots, vases and hanging baskets. Each 10c, 6 for 50c.



CABOMBA OR AQUARIA MOSS



WATER HYACINTH

CABOMBA, or Aquaria Moss.—This is the prettiest plant in existence for growing in aquariums, and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. Leaves beautifully and regularly cut and resemble a delicate lace fern. Grows all the year round, but it looks a great deal better during the fall and winter months than during spring. May be broken any length and roots readily. Should be weighted down in the water so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

LEMNA.—Is sometimes called Duckweed. Small oval leaves, with rootlets hanging down in the water, and plants are produced very rapidly by the offshoots. Bunch 15c.

SAGITARIA.—A grass-like plant quite desirable for aquariums. Grows rapidly. Leaves are long and ribbon-like and present a pleasing appearance submerged in the water. Each 15c.

WATER HYACINTH.—Is one of the most remarkable, curious and beautiful plants. It floats in the water, forming a ... rosette of its curious shining green ... and throws up spikes of most exquisite ... Color is a beautiful, soft, lilac rose, ... as if covered with diamond dust. ... petal has large metallic blue blotches ... the center of that a small golden yellow ... Each 15c.

WATER POPPY.—A well known aquatic plant for shallow ponds or aquariums, ... bear yellow, poppy-like flowers. ... are easily grown and very attractive. ... not hardy and if grown in outdoor ... removed in winter to the ... Price, each 15 cents.

AQUARIUM COLLECTION

FOR THE FANCY ...

Ten Stems Cabomba
1 Ludwigia — **1 Water Hyacinth**
1 Bunch Lemna — **1 Parrot's Feather**
Postpaid for only 65 cents.

CUT FLOWERS AND DESIGNS

Orders for these goods should be addressed to **Iowa Floral Co., Box 871, Des Moines, Iowa.** If so addressed, they do not get into the seed mail but go direct to the floral department for immediate attention the instant they are received. Promptness is absolutely essential in handling this class of business and the above address on your orders will save several hours. We can ship cut flowers and floral pieces, either mail or express, on quick notice, and with our system of packing fresh cut blossoms they reach you in the most perfect condition. Distance is no barrier as we are within thirty-six hours of any point between New York City and Denver, Duluth or Galveston. This means that fresh flowers may be obtained for every wedding, for dinner parties, for social gatherings and calls. It means that every funeral may be graced by floral offerings and that sick friends may be cheered to recovery with fragrant flowers.

HOME DECORATIONS

We can furnish the entire decorations for social gatherings, dinner parties, receptions, weddings, etc., and invite correspondence concerning the floral decorations for such occasions, and to patrons in Iowa and adjacent points we will send an experienced decorator to take entire charge of the decorating, asking only that you give us sufficient time to advise as to cost and necessary detail.



FUNERAL DESIGNS

We make a specialty of funeral work, giving great care to the making of designs, that they may be artistic and lasting. We can supply all the regular designs and will make special pieces as desired. Prices range from $2.00 for the small funeral spray to $50.00 for an elaborate casket cover. The ordinary designs vary from $3.00 to $20.00.

CUT FLOWERS

Quality, length of stem and important market conditions govern prices. Flowers are usually quite a little higher in price at Easter, Christmas, New Year and Decoration Day than at other times. We issue a monthly price list which will be mailed to anyone regularly on request.



BRIDE'S BOUQUET.

BEAUTIFUL ILLUSTRATED CATALOGUE OF CUT FLOWERS AND FUNERAL DESIGNS MAILED FREE ON APPLICATION.

"Empty Your Purse Into Your Head" VALUABLE BOOKS Sent Postpaid on Receipt of Price

VEGETABLES.

Vegetable Gardening.—By Samuel B. Green. Almost practical and up-to-date booked Valuable to amateur or professional grower of vegetables. Cloth, 251 pages. Price $1.00.

Gardening for Profit.—By Peter Henderson. New edition of this work which has been an authority for twenty years. Cloth, 378 pages. Price $1.00.

Canning and Preserving.—Mrs. S. T. Rorer. Containing directions for conserving all kinds of vegetables and fruits. Invaluable to the housewife. Cloth, 78 pages. Price 75c.

New Onion Culture.—By T. Greiner. How to grow the mammoth onion and produce big crops. Full of information. Cloth, 74 pages. Price 50c.

Tomato Plant.—Its cultivation and use. Instructing the beginner how to raise good crops. Paper, 50c.

Celery Culture.—By W. H. Beattie. The latest and most complete instructions on the management of this delicacy. Cloth, 248 pages. Price 50c.

Asparagus Culture.—By M. Hexamer. A complete treatise with methods used by various parts of the world. Cloth, 288 pages. Price 50c.

A B C of Potato Culture.—By T. B. Terry. Tells how to successfully produce this most profitable crop. Paper, 286 pages. Price 50c.

Prize Sweet Potato Culture.—By Jas. Fitz. Growing, harvesting and storing. Cloth, 86 pages. Price 50c.

Tomato Culture.—By Day, Cummins & Root. Paper, 188 pages. Price 10c.

Asparagus.—By M. G. Kains. Uses and propagation. Cloth, 119 pp. Price 50c.

How to Grow Mushrooms.—A small pamphlet by a practical grower. Price 10c.

Mushroom Culture.—By W. Robinson. A complete work on the management of this profitable crop. Plain directions for profitable culture. Cloth, 50c.

Melons.—Especially adapted to a practical treatise on their culture and marketing. Illustrations of various varieties. Cloth, 190 pages. Price 50c.

FLOWERS.

Home Floriculture.—The new book by Chas. N. Page. It gives full instructions for the care and management of all kinds of flowers. The greatest work and the most valuable to flower lovers. Paper, 96 pages, 25c; cloth 75c.

Practical Floriculture.—Peter Henderson. New and revised edition of this complete standard work on flowers. Cloth, 325 pages. Price $1.50.

Landscape Gardening.—E. A. Waugh. Illustrates the effects of different methods. Cloth, 182 pages. Price 75c.

Success with House Plants.—Lizzie Page Hillhouse. A practical handbook for anyone who has even a few plants. Paper, 200 pages. Price 50c.

POULTRY.

American Standard of Perfection.—Gives requirements for perfection in all breeds of fowls. The guide for all fanciers. Each $2.25.

The Philo System.—How to raise poultry successfully in the city or in small space. Complete guide to the successful raising of fowls for market. Ea. $1.00.

Reliable Poultry Remedies.—Paper, 75 pages. 25c.

Artificial Incubating and Brooding.—Paper, 95 large pages, 50c.

Egg Money.—How to Increase It. By H. A. Nourse. 188 pages. Price 50c.

Poultry Houses and Fixtures.—50c.

Poultry Manual.—A valuable book by Sewell & Wood. 258 pages. Price 25c.

MISCELLANEOUS.

Aquaria.—By Chas. N. Page. A 64-page book on the care of gold fish, invaluable to the lover of these household pets. Paper 15c; cloth 50c.

Feathered Pets.—By Chas. N. Page. Describes and tells how to care for all birds that can be successfully kept in captivity. 140 pp. Cloth 75c, paper 25c.

Canary Breeding and Training.—By Chas. N. Page. Tells the whole story. Explains in detail the necessary care of the canary as a songster. 80 pages. Paper 25c; cloth 75c.

Parrots and Other Talking Birds.—By Chas. N. Page. Paper 25c; cloth 75c.

FRUITS.

Fruit Harvesting, Storing and Marketing.—By F. A. Waugh. Useful instructions on the storage of vegetables. Cloth, 221 pages. Price $1.00.

Spraying Crops.—Clarence M. Weed. Instructions on spraying vegetables and fruits against insect enemies. Cloth, 136 pages. Price 50c.

A B C of Strawberry Culture.—By T. B. Terry. Full advice for the care and management of this best of all fruits. Paper, 280 pages. Price 50c.

Amateur Fruit Growing.—S. B. Green. A practical guide for growing both small fruits and orchard products. Paper, 140 pages. Price 25c.

Practical Fruit Grower.—By Prof. S. T. Maynard. Orchards and small fruits. Cloth, 125 pages. Price 50c.

Successful Fruit Culture.—By Prof. S. T. Maynard. Covers the entire business of fruit culture from a practical standpoint. Cloth, 274 pages. Price $1.00.

AGRICULTURE.

School Agriculture.—Milo N. Wood. A test book of Agriculture written for the rural schools. Should be in the home of every farmer. Cloth, 310 pages, $1.00.

Silos, Ensilage and Silage.—By Manly Miles. Contains the most recent information on this subject. Cloth, 100 pp. Price 50c.

Broom Corn and Broom Making.—Cloth, 66 pages. Price 50c.

Forage Crops.—Prof. Thomas Shaw. Filled with practical advice as to the production of pasture and fodder crops for live stock. Cloth, 288pp. $1.00.

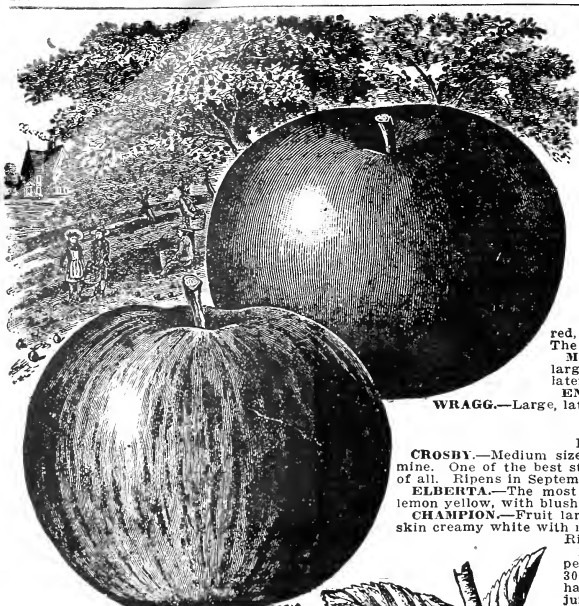
Alfalfa.—By F. D. Coburn, Secretary Kansas Department of Agriculture, an authority. Cloth, 161 pages. Price 50c.

Clover Farming.—By Henry Wallace. Every farmer should have this book, as it is valuable. Paper 25c. Cloth 50c.

Holden's Corn Book.—By Prof. P. G. Holden, late of Iowa Agricultural College, a conceded authority. Paper, 25c.

Tobacco Culture.—How to grow the crop successfully. Paper. Price 25c.

YOU SHOULD CONSIDER BOOKS IN THE LIGHT OF TOOLS THAT AID IN INCREASING YOUR CAPACITY



DUCHESS AND JONATHAN APPLE.

NURSERY STOCK

All fruit trees on this page are two and three years old, five to seven feet high, and are sure to please.

Orders cannot be executed after May 1st, as stock does not transplant well after the growth begins.

No home is complete without fruit. It is essential that you secure good plants and trees to grow good fruit. We aim to send out the very best stock, carefully packed for shipping. Fifty or more of any sort at the hundred rate; purchaser to pay transportation charges by express or freight on all nursery stock unless otherwise quoted. Orders must amount to at least one dollar. These are shipped direct from the nursery and cannot be sent with other goods. Ask for special prices on large orders.

APPLES

Price 40c each, $4.50 per doz. Ask for prices by the hundred.

Summer Varieties.

YELLOW TRANSPARENT.— Very early; light yellow; medium size; juicy, sub-acid.

RED JUNE.—Choice quality, very early, bright dark red, small to medium size.

BENONI.—Medium size, bright red; rich flavor, tender and juicy. Very productive.

DUCHESS.—Yellow, striped red; medium to large; extremely hardy and productive.

EARLY HARVEST.—Large, golden yellow; splendid quality. Very popular in Iowa for many years.

Autumn Varieties.

MAIDEN'S BLUSH.—Yellow with beautiful blush cheek. Good quality. Medium large.

FAMEUSE. — (Snow Apple.) — Deep dark red, flesh very white, juicy and rich. Splendid sort.

RAMBO.—Small to medium, striped yellow and red. Quality extra choice.

AUTUMN STRAWBERRY.—Beautiful striped fruit of yellow and red. Medium size, fine quality.

RAMSDELL SWEET.—Large. Rather oblong shape Dark red. Best fall sweet apple.

Winter Varieties.

BALDWIN. — Famous eastern market apple. Large, bright red, crisp, juicy and rich.

BANANA.—Large, golden yellow, blush cheek. Of splendid quality. Popular with western orchardists.

BEN DAVIS.—Large, red, striped yellow, good quality, good keeper. Profitable market sort.

DELICIOUS.—Large, brilliant red, shading to a golden yellow at blossom end. Extra quality.

GRIMES GOLDEN.—Large, golden yellow. Favorite sort because of extra choice quality.

GENETIN.—(Rawle's Janet.)—Small to medium, red and yellow striped. Very productive, long keeper.

JONAPHAN.—Most popular of all. Large, deep red. Rich flavor, juicy and sweet.

NORTHWESTERN GREENING.—Large, light green. The fruit has been kept for a year.

TALMAN'S SWEET.—Medium size. Pale whitish yellow. Good quality. Standard sweet apple.

WEALTHY.—Large, red, showy, sub-acid and productive. Most popular of all.

WINESAP.—Medium. Deep red. Quality very fine. Rich, crisp flesh, sub-acid flavor. Very popular.

WOLF RIVER.—Largest of all; grow to weigh 4 lbs. Quality fair. Yellow, striped light red. Productive.

CHERRIES

Price 50c each, dozen $5.00.

EARLY RICHMOND.—Medium size, dark red, juicy, acid flavor. Unsurpassed for cooking. The standard early variety in the middle west.

MONTMORENCY.—Large red acid cherry; is larger than Early Richmond and about ten days later. A superior sort for home use.

ENGLISH MORELLO.—Deep, dark red. Late.

WRAGG.—Large, late acid variety, dark purple; very productive.

PEACHES

Each 40c, dozen $3.50.

CROSBY.—Medium size, bright orange yellow, streaked with carmine. One of the best standard sorts and claimed to be the hardiest of all. Ripens in September.

ELBERTA.—The most popular early market sort. Large, bright lemon yellow, with blush cheeks. Ripens in early August.

CHAMPION.—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones. Ripens in late August.

IRONCLAD.—Originated near Des Moines. Is perfectly hardy. Never winter-kills, even when 30 below zero. Freestone. Fruit medium size, handsome yellow with blush cheek; flesh white, juicy and fine flavored. Medium early.



MONTMORENCY CHERRY.

PLUMS

By express, each 50c, dozen $5.00.

ABUNDANCE.—Hardiest of Japanese varieties. Large, showy and fine quality.

BURBANK.—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

DeSOTO.—Bright red. Very prolific, of good quality. A standard native variety.

FOREST GARDEN.—Large, mottled red and yellow, very sweet and rich.

WEAVER.—Flesh firm, red, juicy, with flavor resembling apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

WILD GOOSE.—Large, rich and melting; delicious. Strong grower and prolific.



IRON CLAD PEACH



ABUNDANCE PLUM



KIEFFER PEAR

PEARS

Any of following by exp. 50c each, doz. $5.00.

CLAPP'S FAVORITE.—Very large, yellow and dull red with russet specks. Rich and melting. Ripens in August.

KIEFFER.—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy. Ripens in October.

BARTLETT.—Large size, excellent quality. A leading variety. Ripens in August.

SECKEL.—Small, but of excellent quality; very hardy. Ripens in September.

WORDEN SECKEL.—Seedling of Seckel but larger. Best quality. Ripens September.

WE CAN SUPPLY TRANSCENDENT, HYSLOP AND WHITNEY CRAB APPLES, SAME PRICE AS APPLE TREES

SHADE TREES

We shall be pleased to supply our customers with any of the following Shade or Ornamental Trees at prices given. Please remember in ordering them that they come direct from the nursery and cannot be shipped in the same package with any other goods except nursery stock.

ASH—American White.—Fine, hardy trees of symmetrical, rapid growth. 5 to 6 ft., 30c each; $2.50 per 10. 6 to 8 ft., 50c each; $4.50 per 10.

BOX ELDER.—Well known, quick-growing, hardy tree. Succeeds everywhere. 5 to 6 ft., each 30c; $2.50 per 10. 6 to 8 ft. 50c each; $4.50 per 10.

CAROLINA POPLAR.—Takes first rank among rapid growing trees. It thrives everywhere. Resembles Cottonwood but does not bear seed. 5 to 6 ft., 30c each; $2.50 per 10; 6 ft. to 8 ft., 40c each; $3.50 per 10.

CATALPA SPECIOSA.—Fine, rapid grower. Valuable also for timber, posts and cross-ties. Popular in semi-arid regions. 5 to 6 ft., 30c each, $2.50 per 10; 6 to 8 ft., 40c each; $3.50 per 10.

ELM.—American White.—Well known, beautiful shade and park tree. 5 to 6 ft., 35c each; $3.00 per 10. 6 to 8 ft., 50c each; $4.50 per 10.

LINDEN—American.—Known also as Basswood or Whitewood. A fine spreading native tree with large leaves and fragrant flowers. 5 to 6 ft., 60c each; $5.00 per 10; 6 to 8 ft., 75c each; $6.50 per 10.

LOCUST—Black.—Make rapid growth; valuable post timber. 5 to 6 ft., 30c each; $...50 per 10. 6 to 8 ft., 50c each; $4.50 per 10.

LOCUST—Honey.—Handsome, well known native tree. 5 to 6 ft., 50c each; $4.50 per 10; 6 to 8 ft., 75c each: $6.50 per 10.



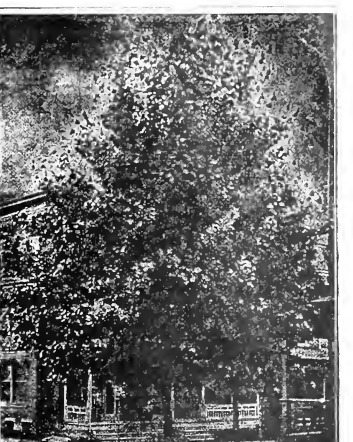
CUT LEAF WEEPING BIRCH

MAPLE—Soft or Silver.—Valuable for producing quick shade. 5 to 6 ft., 30c each; $2.50 per 10. 6 to 8 ft., 50c each; $4.50 per 10.

MAPLE—Hard or Sugar.—Slow grower but very hardy, valuable and beautiful. 5 to 6 ft., 75c each; $7.00 per 10. 6 to 8 ft., $1.00 each; $8.00 per 10.

SYCAMORE—American.—Lofty, spreading tree with handsome broad leaves. 5 to 6 ft., 50c each; $4.50 per 10. 6 to 8 ft., 75c each; $7.00 per 10.

Five trees of a kind will be sold at the ten rate. Can furnish stock in any size larger than given above. Write for prices.



HARD OR SUGAR MAPLE.

LAWN TREES

BECHTEL'S FLOWERING CRAB.—Medium size tree and large, very double, fragrant flowers. 2 to 3 feet, 75c each. 3 to 4 ft., $1.00 each.

CHESTNUT — The American Sweet.—Well known; valuable for nuts and lumber. 5 to 6 ft., 75c each; $7.00 per 10. 6 to 8 ft., $1.00 each; $8.00 per $10.

MOUNTAIN ASH. — A fine, hardy, small tree. Bears red berries. 5 to 6 ft., 50c each; $4.50 per 10. 6 to 8 ft., 75c each; $7 per 10.

MULBERRY—Russian.—A good shade tree and valuable for the fruit. 5 to 6 ft., 40c each; $3.00 per 10. 6 to 8 ft., 50c each; $4.50 per 10.

NORWAY MAPLE.—Hard wood, fine foliage, with beautiful spreading top. 5 to 6 ft., 75c each; $6.00 per 10. 6 to 8 ft., $1.00 each; $8.00 per 10.

WEIR'S MAPLE.—Cut leaved, very hardy and graceful. 5 to 6 ft., 50c each; $4.50 per 10. 6 to 8 ft., 75c each; $7.00 per 10.



AMERICAN WHITE ELM.

WEEPING TREES

WEEPING MOUNTAIN ASH.—Very hardy and attractive. 1-year heads, 75c each; 2-year heads, $1.00 each.

WEEPING CUT LEAF BIRCH.—Perhaps the most elegant of all lawn trees. Delicate foliage, silvery white bark. Tall and slender but a vigorous grower. Every householder should have one or two specimens. 4 to 5 ft., $1.00 each; 5 to 6 ft., $1.25 each. 6 to 8 ft., $1.50 each.

TEA'S WEEPING MULBERRY.—Very distinct and beautiful. Quite hardy. 1-year, each $1.50.

WISCONSIN WILLOW.—Upright grower, but with drooping twigs. 5 to 6 ft., 50c each; 6 to 8 ft., 75c each.



NORWAY SPRUCE.

EVERGREENS

Our evergreens are all nice shapes and packed to reach you in good condition.

Variety	Size	Each	Doz.
American Arbor Vitae	12 to 18 in.	$ .20	$ 2.50
American Arbor Vitae	18 to 24 in.	.50	4.00
American Arbor Vitae	24 to 36 in.	.75	6.00
Scotch Pine	12 to 18 in.	.40	3.50
Scotch Pine	18 to 24 in.	.50	4.50
Scotch Pine	24 to 36 in.	.75	6.00
Norway Spruce	12 to 18 in.	.40	3.50
Norway Spruce	18 to 24 in.	.60	5.50
Norway Spruce	24 to 48 in.	.85	9.00

FOREST TREE SEEDLINGS

Five hundred will be sold at thousand rates.

Variety		100	1000
Catalpa Speciosa	12 to 18 in.	$1.00	$8.00
"	18 to 24 in.	1.10	12.00
Black Locust	12 to 18 in.	1.00	6.00
"	18 to 24 in.	1.20	7.00
Soft Maple	12 to 18 in.	1.00	6.00
"	18 to 24 in.	1.10	8.00
Russian Mulberry	12 to 18 in.	.75	5.00
"	18 to 24 in.	1.00	9.00
Osage Orange, No. 1		.60	4.00
" **No. 2**		.10	2.50

SMALL FRUIT TREE BY MAIL

Many planters are now using small, one-year trees for their plantings, as it is thought there is smaller per cent of loss in transplanting, and they are more readily trained to perfect shape and convenient heads. These trees can be sent by mail and we offer any of the varieties listed on the preceding page at the following low prices for small one-year trees, postage paid by us:

Apple ..... each 30c; doz. $3.00 **Cherry** ..... each 30c; doz. $3.

GRAPES

Our grape vines are No. 1 one-year vines, which experience has shown to be the very best size for transplanting. The best and most robust vines are marketed by nurserymen generally at one year old, while the culls are grown another season and sold as two-year-olds. Write for prices on large lots.

AGAWAM.—Berries are very large, bright red, with thick skin; very vigorous grower. Fruit of good quality. Each 15c, doz. $1.00, per 100 $4.50.

BRIGHTON.—Of the best quality. Bunch and berry large, of bright red color, and it is quite productive. Each 15c, doz. $1.00, per 100 $5.00.

CAMPBELL'S EARLY.—Strong grower with large, healthy foliage. Very productive, its keeping and shipping qualities are unequaled by any other early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters are usually shouldered. Each 25c, per doz. $2.50, per 100 $15.00.

CONCORD.—The well known standard black variety. Succeeds well everywhere. Each 10c, doz. $1.00, per 100 $4.00.



MOORE'S EARLY.—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, exceedingly hardy. Very popular with Des Moines growers. Each 15c, doz. $1.50. By exp., 100 $8.00.

NIAGARA.—This is a leading white variety, very productive and hardy. Bunch and berries large green or white, changing to pale yellow when fully ripe; the skin thin and tough. Quality extra fine. Each 15c, doz. $1.50, per 100 $5.00.

WORDEN.—A large grape of the Concord type, much earlier, larger and of better quality; hardy and more productive. Each 15c, doz. $1.25, per 100 $5.00.

THE KING.—A grand new variety. Originated in Michigan and has been very highly recommended by the Michigan State Horticultural Society. Not only is the individual grape of mammoth size, sometimes three inches in circumference, the bunch is also very large, compact and presents an exceptionally fine appearance on the market. A splendid shipping sort and one of the best keepers we have ever seen. Strong, well grown vines 25c each, $2.50 per dozen.

NIAGARA

WOODRUFF.—Of ironclad hardiness, a rank grower and very healthy. Fruit large and very attractive. Usually shouldered. Sweet and of fair quality. Ripens soon after the Concord and stands at head of the list of red sorts for a market variety. Each 20c, doz. $2.00, per 100 $8.00.

WYOMING RED.—Claimed to be as choice in quality as the Delaware. Fruit is larger and brighter red than that sort. A fine variety. Each 15c, doz. $1.50, 100 $8.00.

CURRANTS

POMONA.—The most productive and vigorous red currants ever introduced; ripens early, but remains on the bush longer than any other; remarkably fine quality. Each 15c, doz. $1.00.

FAY'S PROLIFIC.—One of the most prolific, of excellent quality. We heartily recommend it. Each 15c, doz. $1.00.

WHITE GRAPE.—A standard variety. The fruits are light colored, mild and fine flavored. Each 15c, doz. $1.00.

POMONA CURRANT

RASPBERRIES

Our varieties are all tip grown plants. We do not sell sucker plants, nor varieties which propogate from suckers.

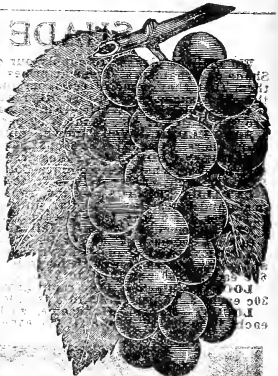
NEW CARDINAL.—This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Dozen 75c, 100 $3.00.

CUMBERLAND.—One of the best of blackcap variety. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive, free from disease. Doz. 75c, 100 $2.50.

KANSAS.—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Doz. 75c, per 100 $2.50.

GREGG.—Hardy and excellent. Has been the leading blackcap variety for many years. Doz. 50c, per 100 $2.50.

COLUMBIA.—This is a leading purple-red variety. Fruit is rich and sprightly in flavor, and is superior for canning, jam or preserving. Grows very large, strong and vigorous and yields immensely. Doz. 50c, per 100 $2.50.



MOORE'S EARLY

GOOSEBERRIES

CHAMPION.—A new variety originating in Minnesota. Hardy, free from mildew, very productive, large size, and recommended by our growers as the best variety listed. Each 20c, doz. $2.00.

JOSSELYN.—Of superior merit. Very large, hardy, productive and free from mildew. Regarded as the best of recent introduction. Each 20c, per doz. $2.00.

PEARL.—One of the most prolific, very hardy, entirely free from mildew. Superior in size and productiveness to Downing. Each 20c, doz. $2.00.

INDUSTRY.—The best English sort yet introduced in this country. Berries of immense size, 1 to 2 inches long. Each 25c, doz. $2.50.

ROUGHTON.—Pale red, good quality, productive. Each 20c, doz. $1.50.

DOWNING.—Large, pale green. Ea. 20c, doz. $1.50.

BLACKBERRIES

SNYDER.—Extremely hardy and very productive. The standard sort for the west. No other variety is so prolific or so dependable in the corn belt, or so desirable for shipping. Doz. 50c, 100 $2.50.

ANCIENT BRITON.—This is regarded as one of the hardiest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Doz. 50c, 100 $2.00.

BLOWERS.—A sturdy grower and quite hardy. Fruits large, melting and splendid quality. Doz. 50c, 100 $3.00.

SNYDER BLACKBERRY

DEWBERRIES

LUCRETIA.—The best dewberry for this section. Berries much larger and better quality than blackberries. Each 15c, doz. 75c, 100 $3.00.



CARDINAL RASPBERRIES









STRAWBERRIES

Quick service is necessary in handling strawberry plants, and special packing is required. For these reasons we ship all strawberry plants entirely by themselves. Perfect flowered varieties are marked (s); the imperfect marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

AROMA (s).—The best and most profitable late berry. It is very prolific and of most excellent color and quality. Plants strong, vigorous and free from disease. Fruits very large, roundish, conical, glossy bright red. Per 100 $1.25, postpaid. By express, per 100 $1.00.

BEDERWOOD (s).—This is one of the best known varieties for planting with the Warfield or Crescent, as it produces a large amount of pollen. It is of excellent color and a good shipper. Ripens early. Per dozen 30c, per 100 $1.00, postpaid. By express, per 100 75c.

BRANDYWINE (s).—Large berry, vigorous, strong grower and makes a large, heavy plant. It is fine for market, being large, firm and of a handsome red color. The blooms are perfect, making it a good fertilizer for other varieties. Per doz. 40c, per 100 $1.25, postpaid. By express, 100 $1.00.

BUBACH (p).—Its large, uniform size, fine form and color, unsurpassed productiveness and great vigor combine to make it a leading sort. Rather late in maturing. Per doz. 30c, per 100 $1.25. By express, 100 for $1.00.

CLYDE (s).—One of the most popular varieties in the west. It is of vigorous growth and very productive. The berries are of a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 20c, per 100 $1.25, postpaid. By express, 100 for $1.00.

CRESCENT (p).—One of the old standard varieties, will produce a large crop where other sorts would fail, as it will stand an unusual amount of neglect. The berry is of medium size and good quality. Per doz. 25c, per 100 $1.00, postpaid. By exp., per 100 75c.

KLONDYKE.—If you want a good berry that will bring top prices and ship anywhere, plant this variety. Plants strong, vigorous and productive. Fruits large, firm and well flavored. Per doz. 30c, per 100 $4.00, postpaid. By express, per 100 75c.

NICK OHMER (s).—Very large in size, uniform in shape, dark, glossy red, firm and excellent flavor. Season rather late. Per doz. 40c, per 100 $1.50, postpaid. By express, per 100 $1.25.

PARKER EARLE (s).—One of the most vigorous and best sorts for family garden. Per doz. 50c, per 100 $1.75, postpaid. By express, per 100 $1.50.

SEAFORD (p).—Of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep, glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 30c, 100 $1.25, postpaid. By exp., 100 $1.00.

SENATOR DUNLAP (s).—A medium sized sort; very hardy, productive, a vigorous grower. Remains in bearing until quite late. Is unsurpassed in quality; claimed to be best all around variety. Doz. 40c, 100 $1.25, postpaid. By exp., 100 $1.00.

WARFIELD (p).—This is one of the best known market berries, of medium size and excellent quality and a good shipper. It is one of the best early sorts and maintains its size well throughout the season. Per doz. 25c, per 100 $1.00, postpaid. By express, per 100 75c.

STRAWBERRY COLLECTION

25 Bederwood (extra early); 25 Senator Dunlap (medium early); 25 Warfield (medium early), 25 Bubach (rather late). Four varieties suitable to grow together and give a succession of fruit through the season. 100 plants in all (just enough for a home bed). Postpaid for $1.00.

FALL BEARING STRAWBERRIES

These are a new race of strawberries that produce ripe fruit in October. They have a tendency to fruit in June, but if permitted to bear at this time the fall crop is curtailed. Pinch off the blooms that set up to July 1st and you will have fine fruit for fall use. Often fruit the first fall from spring set plants.

IOWA.—The original variety of this type and has become a standard. Perfect flowers with fruit shaped like the illustration of Bubach on this page. A heavy bearer of good sized fruit. Per doz. 75c; 100 for $5.00, postpaid.

AMERICUS.—Fruit of this variety is larger than the Iowa, somewhat rougher in shape, but a strong vigorous and heavy cropper. Perfect. Per doz. $1.25; 100 for $8.00, postpaid.

SPANISH.—Berries are richer color and better flavored than either of the above. Perfect flowered and bears so freely that the fruit stems cannot hold from the ground their loads of berries. Per doz. $1.50; 100 for $10.00, postpaid.

State of Iowa,

CERTIFICATE OF NURSERY INSPECTION

Office of State Entomologist, Ames, Iowa.

This is to Certify, That in accordance with Chapter 53 of the Acts of the Twenty-seventh General Assembly, as amended by the Thirty-first General Assembly, the nursery stock for sale by the **Iowa Seed Company, of Des Moines, Iowa**, has been inspected by a duly authorized inspector and has been found apparently free from dangerously injurious insect and plant diseases. This Certificate is invalid after July 1, 1915.

H. E. SUMMERS, State Entomologist.



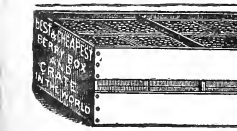
CLYDE





BRANDYWINE





FRUIT PACKAGES

Being the oldest as well as the largest dealer in berry boxes and other fruit packages in the west, we are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock and give instructions for cutting so that it will suit our trade. It pays to have bright, smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods in this department go by freight or express at customer's expense for carriage. If wanted by mail figure from Parcel Post Table on page 3, from weights given for each item, and send postage necessary.

Terms Cash With Order.—The profit is so small on these goods that we cannot afford to make C. O. D. shipments.

To meet the requirements of the Iowa Food Law, we offer dry measure berry boxes and crates to hold them.

BERRY BOXES.—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size 4¾x4¾x3¾, to hold a dry measure quart. The bottom is set up for ventilation. Usually put up in bundles of 500 boxes complete for shipment and all ready for putting together, which can be done very rapidly. 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 45c; 1,000 $3.50; 10,000 or more at $3.25. Weight, 10 lbs. per 100.

ANNEALED TACKS.—Made of the very best Swedes iron and of proper length so that they go through either two or three thicknesses of the material and clinch to hold securely. A pound will make 1,000 boxes. Lb. 12c; 4 lbs. $1.00.

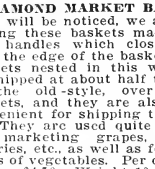
CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make a neat, strong and cheap package holding 16 to 24 quart boxes. Price: 16-qt. crates per 10 $1.20, per 100 $9.50; 24-qt. crates per 10 $1.25, per 100 $11.00. Weight, 16-qt., each 4 lbs.; 24-qt., each 5 lbs.

CRATE NAILS.—Far superior to common nails, as they hold much better. Twelve pounds (makes 100 crates) $1.00.



CLIMAX GRAPE BASKET.—The best package for shipping grapes, cherries, plums, etc. It is the standard 7-lb. size, making a strong but light package. Wt. 1 lb. each. Made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 10 50c; 25 90c; 100 for $3.50; 1,000 for $32.50.

DIAMOND MARKET BASKET.—As will be noticed, we are now having these baskets made with two handles which close down over the edge of the basket. The baskets nested in this way can be shipped at about half the cost of the old-style, over-handle baskets, and they are also quite convenient for shipping the fruit in. They are used quite largely for marketing grapes, plums, cherries, etc., as well as for some kinds of vegetables. Per doz. 50c; 10 doz. $4.50. Weight 10 lbs. per dozen.



SMALL CLIMAX GRAPE BASKET.—For fancy grapes, etc. Holds about 4 lbs. 50c for 10; 90c for 25; $3.50 per 100.



HALF BUSHEL BASKET.—The best all-around basket for farmers, fruit growers and grocers that we know of. Strong and well made, smooth inside, so that it does not bruise or scratch the fruit, particularly adapted to picking fruit and vegetables. The swinging bale makes it easily handled. Price 20c each; $2.00 per doz. Wt. 2 lbs. each.

NO. 1—ONE-BUSHEL BASKET.—The ideal basket for general use. Standard elm staves with elm hoops and handles; also inside and outside bottom hoops. Each 25c; doz. $2.75.

IRON MEASURES.—Made of heavy galvanized iron with side handles. Peck size each 40c; ½ bushel each 50c; 1 bushel each 70c. Weight, pk. size, 2 lbs.; ½ bu. size, 3½ lbs.; bu. size, 5½ lbs. each.

FOLDING ONE-BUSHEL CRATE.—Light, strong and durable. Slats are all run with round corners so that contents are not bruised or cut. Size 11⅞ in. in width, 20½ in. long, 13½ in. high outside. No. 1 each 30c; per dozen $3.00.



FOLDING ONE-BUSHEL CRATE

WIRE STAPLING MACHINE—Standard—For making berry boxes. The latest improved, operated by foot power, and can be easily operated by anyone. Makes boxes very rapidly. Made in two sizes and can be shipped direct from the factory in Michigan at the following low prices: No. 1 (standard size) each $25.00; No. 2 (somewhat smaller) each $23.00.

STAPLING WIRE.—To use with the above machine for making boxes. Per lb. 15c; per coil of 12 lbs. $1.10, 5 coils or more at $1.00 per coil.

MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Each 15c. Mailing weight 1 lb.

NURSERYMEN'S SUPPLIES

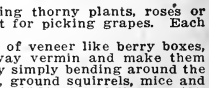
GRAFTING WAX.—A special preparation for application where trees have been pruned; for preventing the loss of sap where wounds are made in the bark or from broken limbs, and for holding grafts together while the parts are growing together. Price, ½ lb. package 15c; postpaid 22c.

TREE PRUNER.—Strong wooden handles 24 inches long; knife 3 inches long. Has cutting knife 2 inches long. Powerful and effective. The best pruner for low-headed trees or where branches are within reach. Each $1.50. Mailing weight 4 lbs.

WATER'S TREE PRUNER.—The standard make; with 6-ft. pole 85c; 8-ft. pole $1.00; 10-ft. pole $1.20. Can't mail.

IMPROVED HAND PRUNING SHEARS.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, spiral spring. Price $1.25. Mailing wt. 1 lb. ea.

CONNECTICUT PRUNING SHEARS.—A good tool for most work. Steel blades, flat spring, and malleable handles. Price 50c. Mailing weight 1 lb.



KELLEY'S PRUNING SHEARS.

KELLEY'S PATENT PRUNING SHEAR.—A pruning shear which cuts the twig and holds it. A splendid shear for cutting thorny plants, roses or flowers of any kind. Excellent for picking grapes. Each 75 cents. Mailing weight 1 lb.

TREE PROTECTORS.—Made of veneer like berry boxes, dipped in creosote to drive away vermin and make them impervious to weather. Used by simply bending around the tree. Affords protection against rabbits, ground squirrels, mice and vermin. Per 100 $1.00; 1,000 for $7.50. Wt. 8 lbs. per 100.

TREE LABELS.—3¼-inch, plain, copper wire. Per 100 25c; per 1,000 $1.25. Not wired, per 100 20c; per 1,000 $1.00. Mailing weight 4 lbs. per 1,000.

POT LABELS.—Painted wood labels, 4-in. per 100 30c, per 1,000 $1.25; 6-in. per 100 25c, 1000 $1.75; 10-in. per 100 50c, per 1,000 $4.00. Mailing wt., 4-in. 4 lbs; 6-in. 6 lbs; 10-in. 10 lbs. per 1,000.

SPHAGNUM MOSS.—For packing plants and soft nursery stock. Write for price in quantity. Large bale $2.00.

CANE PLANT STAKES.—Per 100 $1.25. Not mailable.

RAFFIA FOR BASKET WORK



Making Indian Baskets is now attracting a great deal of attention, and the work is taught in public schools, art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties. Our stock is unsurpassed.

NATURAL RAFFIA.—Bunch (about 3 oz.) 15c; lb. 50c; 5 lbs. $2.25.

COLORED RAFFIA.—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange, yellow, black, purple, etc. Bunch (about 2 oz.) 10c; lb. $1. Mixed colors same price. Bleached white, bunch 15c, lb. $1.25.

REEDS.—(Rattan.)—Any size, 10c per bunch. No. 1 $1.50 per lb.; No. 2 $1.25; No. 3 $1.00; No. 4 85c; No. 5 75c; No. 6 60c.

Postage.—If to be sent by mail, 3c per bunch, and for lbs. at rates shown by table on page 3 for postage on the above Raffia and Reeds.

RAFFIA NEEDLES.—12c per package, postpaid.

HOW TO DO IT.—Book on Raffia weaving and basket making; 25c.

SPRAYERS

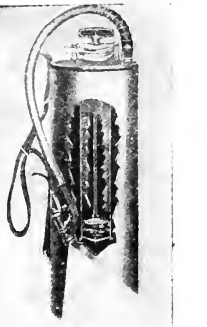


DAISY SPRAYING PUMP

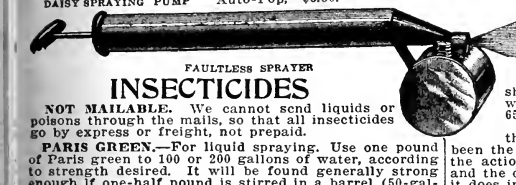
Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. A circular giving full information mailed free on request. All spray pumps are sent by freight or express, not prepaid, except where noted.

DAISY SPRAYING PUMP.—This popular little sprayer is shown by our illustration. We sell hundreds of these which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed to throw a solid stream 20 to 30 feet high and used for washing windows, buggies, etc. By express, not prepaid, $1.00. If to go by mail add postage for mailing, weight 3 lbs.

THE AUTO-SPRAY NO. 1.—Compressed Air Sprayer.—Our choice of compressed air pumps because of strength and simplicity. Will not get out of repair and is kept absolutely clean without difficulty. Diameter 7 inches; height 2 feet; capacity 3½ gallons; weight empty 7 lbs.; weight loaded 39 lbs.; weight shipping 15 lbs. Illustration shows mechanism. If additional information is wanted, send for circular of the Auto-Spray. Prices: Auto-Spray No. 1B, brass tank with "Auto-Pop," $8.00; Auto-Spray No. 1D, galvanized tank with "Auto-Pop," $5.50.



AUTO SPRAYER



FAULTLESS SPRAYER

FAULTLESS INSECT SPRAYER. — An all-brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also fine for spraying grape vines, small trees and shrubbery. If to go by mail add postage for mailing, weight 2 lbs. By express, brass $1.00, galvanized iron 65c, tin. 50c.

CONTINUOUS FAULTLESS SPRAYER.—Is made like the old standard Faultless Sprayer which has for years been the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and the drawing back of the plunger does not stop the flow as it does in the old style sprayer. If to go by mail add postage for mailing, weight 2 lbs. By express, brass $1.25, tin 75c.

INSECTICIDES

NOT MAILABLE. We cannot send liquids or poisons through the mails, so that all insecticides go by express or freight, not prepaid.

PARIS GREEN.—For liquid spraying. Use one pound of Paris green to 100 or 200 gallons of water, according to strength desired. It will be found generally strong enough if one-half pound is stirred in a barrel (40-gallon) of water, and allowed to stand twenty-four hours before using. Care must be taken in using all poisonous liquids that animals are not allowed to get at them. In powder form use one pound of Paris green and 20 to 50 lbs. of flour; mix thoroughly, apply evenly, preferably when dew is on plants. ¼ lb. 10c, lb. 35c, 5 lbs. $1.50.

ARSENATE OF LEAD.—Our stock of this is strictly fresh, from one of the best factories in the country, and will be found the best spraying preparation in the entire list for the destruction of insect pests. Use 3 lbs. to 50 gallons of water, or if preferred, use 50 gallons of Bordeaux mixture instead of water for dilution. Price arsenate of lead, 1-lb. can 25c, 5-lb. can, $1.00, 25-lb keg $4.

BORDEAUX MIXTURE.—Bordeaux Mixture is the standard spraying preparation and this is in form of a condensed liquid. You simply add water in proportion of 25 to 1 and it is ready for use. Per lb. 25c, 5 lbs. 80c.

LIME-SULPHUR SOLUTION.—A liquid preparation to be used for general spraying as it is both an insecticide and a remedy for disease. Use with Bordeaux for winter spraying; with Arsenate of Lead for first spring application, and alone for summer spray. (Two pounds of Bordeaux or Arsenate and one gallon of Lime-Sulphur to fifty gallons of water.) Per qt. 30c, half gallon 50c, gallon 80c.

NICO-FUME.—A condensed preparation of tobacco almost pure nicotine. Best spraying and fumigating preparation for greenhouse use, since it does not injure plants or blooms and kills aphis, red spider and mealy bugs. Use one ounce in 10 to 15 gallons of water, and it will be even better if a pound of whale oil soap is added. Price 4-oz. can 75c, pint $2.00, one-half gallon $7.00.

HELLEBORE.—Dust over plants either pure or mixed with flour or plaster. If used pure, exercise care and do not dust it on too freely. If used as a liquid spray, dissolve one ounce in three gallons of water. Price, ¼-lb. pkg. 10c, 1-lb. pkg. 30c, 5 lbs. $1.25.

CROW BRAND INSECT POWDER.—Best grade. Fresh and nice. It does not pay to use cheap, ordinary grades. Splendid for home use to kill cockroaches ants and flies. By express, ¼ lb. 15c, lb. 50c, 5 lbs. or more at 40c.

FUMIGATING AND DUSTING POWDER.—Formerly sold under the name of Tobacco Dust. Destroys rose bugs, slugs, cut worms, vine bugs, tomato worms, cabbage lice and parasites of all descriptions. Should be applied when foliage is wet. Also a fertilizer for plants and vines will not burn or injure the plants. By express, lb. 10c, 5 lbs. for 25c.

HAMMOND'S SLUG SHOT.—A combination of potent insecticides and soluble plant food. It destroys all insects injurious to shrubs, trees, vines, potatoes, melons, cabbage, currants, vegetables and fruits. Though poisonous to insects, it does not injure foliage. 1 lb. 10c, 5 lbs. 35c, 10 lbs. 65c, 100 lbs. for $5.50.

BUG DEATH.—A non-poisonous powder insecticide; it does not injure the foliage of plants but does kill the insects. Used for any kind of plants, specially recommended for potatoes. By exp., lb. 15c, 3 lbs. 35c, 5 lbs. 50c.



FAULTLESS POWDER SPRAYER

FAULTLESS POWDER SPRAYER.—Is made of tin after the Faultless pattern for use in applying Slug Shot, lime, Paris green mixture of any powder form of insecticides. Light and easily handled. Does the work perfectly and is cheap and effective. If to go by mail add postage for mailing, wt. 2 lbs. By exp., not prepaid, 60c.

LIGHTNING WHITEWASH PUMP NO. 28.—A low-priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, with brass tops and valves. By exp., each $1.90. If to go by mail add postage for mailing, weight 3 lbs.

THE LITTLE GIANT BUCKET SPRAY PUMP.—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly so the nozzle throws a continuous spray. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination and fine and coarse spray and solid stream nozzle and malleable foot rest. Price by express $3.00, 8-foot pipe extension, by express, 50c. If to go by mail, mailing weight of pump 7 lbs; of extension pipe 2 lbs.

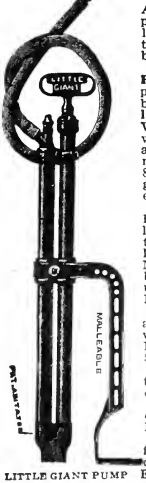
LEVER BUCKET OR BARREL SPRAY PUMP.—Similar to the Little Giant but is larger, has lever handle and can be attached to bucket or barrel. Action of the plunger keeps liquid thoroughly mixed by agitation. Made entirely of brass, will not rust. Price by express $4.75. 8-foot extension pipe (for use among large trees), by express, 50c. Mailing weight of pump 9 lbs; of pipe 2 lbs.

BELLOWS.—Used for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price by express $1.50, large size $2.00. Mailing weight 2 lbs.

DUSTERS.—Buckets with perforated bottom, used for applying slug shot. Each, by express 40c. Mailing weight 1 lb.

SHAKERS.—Tube form to apply Bug Death or insecticide powders. Each, by express, 25c. Mailing weight 1 lb.

STAR INSECT POWDER GUN.—Handy size for house use to blow powder in cracks and crevices. Largely used for killing houseflies. Each 10c, postpaid, 13c.



LITTLE GIANT PUMP

WINDOW GARDEN SUPPLIES

All goods in this department are sent by express or freight, customer paying charges, unless otherwise noted. Note mailing weight and postage required on items that may go by parcel post.

WIRE PLANT STANDS.—We carry a large stock thus saving us freight in the west, and in place of common iron frames we have them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. They are well braced in every direction, with good strong casters, and will easily support all the plants that can be placed on the shelves. Nicely finished with green paint and gold bronze. Will last twenty years with proper usage. Weight only 15 to 20 pounds each. Notice reduced prices.

NO. 3.—Similar in style to No. 10, but much larger. Height of stand and arch about 6 feet, width 4 feet, depth 31 inches. Has four legs. List price $8.00. Our net price only $6.50.

NO. 4.—Like above, but without arch or hanging basket. List, $6.50; net, $5.00.

NO. 6.—One of our most popular styles; quite ornamental, and several plants. One of the most desirable. A vining plant at each end of shelf and trailing over arch adds to its beauty. Height 6 ft., shelves 36 in. long. List $10.00; our price $7.50.

NO. 7.—Exactly like No. 6, except that it has no arch or basket. List price $4.00; our price $3.40.

NO. 8.—Holds a large number of plants and altogether is the handsomest. Size 42 inches high, 26 inches deep, has three shelves each 36 inches long, and will hold about 20 pots. List price $8.00; our price only $6.00.

NO. 9.—Same as No. 8, arch and basket added. List $8.00; our price $6.60.

NO. 10.—A very popular stand, well shown by the cut. Vining, but the arch is Gothic pattern, same shape as No. 3. Holds 20 to 30 plants. Height about 10 in.; width 40 in., and 26 in. deep. We sell more of these than any other pattern and are thus enabled to make a special low price. List $5.00; our price, including arch and hanging basket, only $4.00.

NO. 11.—Same as above, without arch or basket.

WIRE WINDOW SHELF.—These can be fastened to window frames, either inside or outside. They are strong and attractive, 36 in. long, about 7 in. wide. The border is not as high as shown in the engraving. Each, by express, $1.00. Postage by mail added per each mailing, weight 3 lbs.

WIRE BRACKET.—This neat wire bracket is very cheap, handsome bracket made of tinned wire. Is easily put up, adjustable, can be instantly removed; is simple, practical and durable. Price by express, 4 in. each 10c; doz. $1.00; 5 in. each 12c, doz. $1.25; 6 in. each 15c, doz. $1.50. If to go by mail add postage for mailing, weight each 1 lb., dozen 4 lbs.

SAPOLIO INSECTICIDE.—For a quick, effective, clean and harmless insecticide this is unexcelled. Quickly exterminates all insects life on plants and flowers. Unsurpassed for rose bushes. It rids the house of cockroaches and is a superior wash for dogs and all animals. Prevents poultry lice. Three ounce cake sufficient for 2 gals. solution, by mail, postpaid, 15c; by express 10c. Eight ounce cake, sufficient for 4 gals. solution, by mail, postpaid, 25c; by express 20c. Six eight-ounce cans by express, $1.00. If to go by mail add postage for mailing, weight of six cakes 4 lbs.

FISH OIL SOAP.—(Usually called Whale Oil Soap.)—An excellent preparation for plants infested by vermin. Also used against fungus diseases and will keep trunks of trees free from borers and other bark destroying insects. By express, 25c. If to go by mail add postage for mailing, weight 1 lbs.

FLOWER POTS.—The following prices per dozen are for pots and saucers: 4-in. 60c; 5-in. 75c; 6-in. $1.00; 7-in. $1.50; 8-in. $2.10; 9-in. $3.00. We make no charge for packing or delivering at depot here. Orders for these amounting to at least $1.00. Many styles of handsome pots, hardy ferns, vases and hanging baskets at extremely low prices. A nice plant is destroying of one. Cannot go by mail.

PAPER FLOWER POTS.—Made of heavy waterproof paper. Just the thing for growing vegetable plants for setting out in the open. Can be set in the ground without fear of injury to the roots of plants when setting out in the open. 2½-in. by express, doz. 10c, 100 for 40c; 3-in. by expr., doz. 15c, 100 for 60c; 4-in. by expr., doz. 20c, 100 for 90c; 5-in. by expr., doz. 25c, 100 for $1.25. If to go by mail add postage for mailing, weight per dozen 1 lb., 100 lbs.

PLANT TUB.—Strong, well made, painted green, for plants too large for ordinary flower pots, and is ornamental and easy to handle. 12-in., each $1.25; 15-in., each $1.75; 18-in., each $2.25; 21-in., each $2.75. Cannot mail.

TYRIAN PLANT SPRINKLER.—Fine for house plants. You can without injuring the plants wash the earth from the leaves and very thoroughly cleanse the foliage from dust, keeping it fresh and healthy and free from insects, such as red spider, thrips and all kinds. The bent neck enables you to spray from the underside of the leaves, which are hiding places for insects. Is also useful about the house for sprinkling clothes. Large size, each $1.10, small 65c, postpaid.

SCOLLAY SPRINKLERS.—Made of pliable rubber with hard rubber cap. Large size holds about one pt., small size about one-third pt. Indispensable for florist work. Excellent for watering the roots of house plants and sprinkling clothes. Large, each $1.10, small 65c, postpaid.

BOWKER'S FOOD FOR FLOWERS.—A fertilizer made especially for plants; clean, free from offensive odor and soluble in water, producing healthy plants and abundant blossoms to which it imparts a brilliant color. Box sufficient for several plants one year, by express, large pkg. 25c; small 15c. If to go by mail add postage for mailing, weight, large package, 2 lbs., small package, 1 lb.

HANGING BASKET CHAINS.—Plain galvanized steel chains suitable for any kind or size hanger by express, mail, each 14c; if sent by express, each 8c; 100 each attached as shown in illustration above.

WIRE HANGING BASKETS.—Are made of wire, lined with moss and filled with dirt they are very attractive. Light, strong and durable, and have

STERLINGWORTH PLANT TABLETS.—A highly concentrated food for plants. Put up in small tablets to be dissolved in water and used as needed. No. 0 pkg. (30 tablets) each 10c; No. 2 pkg., 100 tablets each 25c; No. 3 pkg., (250 tablets) each 50c; all postpaid at prices named.

SULPHO-TOLARTA SOAP.—A delightful toilet soap, especially recommended for those troubled with dandruff, eczema, pimples, blackheads, etc. Each cake in a box. Price 25c per box, postpaid.


No. 10


No. 6


No. 3


No. 8


WIRE HANGING BASKET


WIRE BRACKET


WIRE WINDOW SHELF


SCOLLAY SPRINKLER

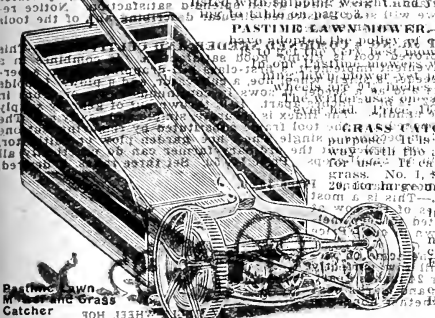

TYRIAN SPRINKLER





LAWN SUPPLIES
OF THE BEST QUALITY

Customer is to pay cost of transportation on goods in this department. Items which can be mailed are also listed in our catalogue, giving shipping weight, and you can add postage, if you want them to come by mail, according to the table on page 3.



PASTIME LAWN MOWER.—After many years' experience in the lawn mower trade, we have adopted only one plan of equipping our line to one style and two sizes. The real problem has been to make a mower possible at a fair price and one that is in sizes most convenient. Our Pastime mowers are always a new style which we are offering as the easiest running, lightest draft lawn mower yet produced. It is ball bearing, and has four cutting knives. The wheels are 9 inches in diameter. Illustration shows general style of the machine. Prices and sizes are as follows: No. 1, 12-inch cut, $5.00; No. 2, 14-inch cut, $5.50; No. 3, 16-inch cut, $6.00. Mailing weight, 12 lbs. each.

GRASS CATCHERS.—The most successful device yet brought out for the purpose. It is easily attached to the handle; only 4 pieces; not in the way in any way with the action of the mower. The illustration shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass. No. 1, suitable for 12 to 16-inch ordinary lawn mowers, each 75c. No. 2, for larger mowers, size 16 to 20-inch, each $1.00. Mailing weight, 2 lbs. ea.

EXCELSIOR HORSE LAWN MOWER.—The best made. 30-inch cut $50.00, 35-inch cut $56.00, 40-inch cut $120.00.

IMPROVED GRASS SHEARS.—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing knuckles on the ground when using. Each, by express, 50c. Mailing weight by parcel post 1 lb. each.

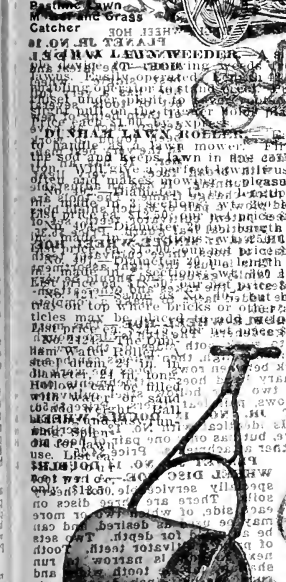
GRASS HOOKS AND SICKLES.—Useful for trimming the edges of lawns, etc. Mailing weight by parcel post 2 lbs. each. By express, good quality, 35c; best quality, 50c.

RUBBER HOSE.—Few realize the great difference there is in the quality of rubber hose. The price ranges from $2.00 to $12.00 per 50-foot length. The low grades will not stand ordinary water pressure and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year are, we believe, superior to any other. We want to warn everyone not to leave rubber hose out in the sun when not in use, as the water left in it rots it very quickly and will not last the best hose. **The Goodyear.**—The very highest grade of moulded hose. Made to last. Per 50-foot coil, including nozzle, $11.50; without nozzle $11.00. **Oak Brand.**—A splendid quality of 4-ply wrapped hose. Per 50-foot coil, including nozzle, $7.00; without nozzle $6.50. **Elm Brand.**—A good, serviceable hose. Five-ply wrapped. The best of the cheap grades. Per 50-foot coil, including nozzle, $5.50; without nozzle only $5.00.

HOSE REEL.—It pays to use a reel as it keeps the hose in better shape and saves labor and annoyance. Price by express $2.25.

BOSTON HOSE NOZZLE.—The handiest nozzle. By simply turning the front portion you can throw a spray or solid stream or turn off the water. Brass; by express, 50c. Mailing weight 1 lb.

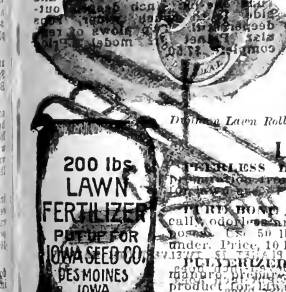
PLUVIUS LAWN SPRINKLER.—Has 3 whirling arms that throw the streams to cover a radius of 50 feet. Each, by express, $1.35. Mailing wt., 2 lbs.



Pastime Lawn Mower and Grass Catcher

Pastime Lawn Mower and Grass Catcher

DU SHAW LAWN ROLLER.—The handle is a lawn mower. Turns the sod and keeps lawn in fine condition. Very easily operated. Made in sizes as follows: 12-inch roller, 20 inches long, weight 100 lbs., price $5.00; 14-inch roller, 20 inches long, weight 120 lbs., price $6.00; 16-inch roller, 20 inches long, weight 140 lbs., price $7.00; 16-inch roller, 24 inches long, weight 160 lbs., price $8.00. Diameter of rollers may be increased by filling with water, bricks or other objects.



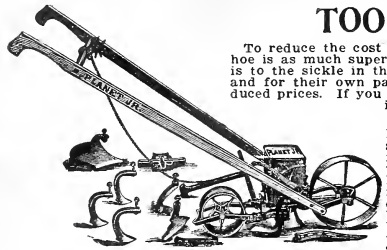
Du Shaw Lawn Roller

Du Shaw Lawn Roller

Du Shaw Lawn Roller

TOOLS AND IMPLEMENTS

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine is to the sickle in the hay field. All of the following tools have been thoroughly tested and for their own particular class of work have given splendid satisfaction. Notice reduced prices. If you desire it we will send illustrated circular describing any of the tools in which you are interested.



PLANET JR. NO. 4 SEEDER AND CULTIVATOR

PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction. It combines in a single convenient implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder it sows in continuous rows, or drops in hills 6, 9, 12, 18 or 36 inches apart. It is thrown out of gear by simply raising the handles. The Index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the ordinary farmer can do practically all the work in his small crops. Price $10.50. Set three rakes, if desired, $1.00 extra.

PLANET JR. NO. 4 PLAIN DRILL.—The drill part only of above machine. Price $8.50.

PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.—This is a most popular sort. As a hoe it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine sent out with the tools shown in cut. Price $9.00. Pair of rakes for same, 50 cents extra.

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down and marks next row, all at one operation. Has force feed, sows equally well whether hopper is full or contains only paper of seed. Price $10.00.

PLANET JR. NO. 25 COMBINED SEEDER AND CULTIVATOR.—A large drill and double wheel hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with it a double wheel hoe, cultivator and plow. Ask for descriptive circular. See illustration below. Price $13.00.

PLANET JR. NO. 6, HILL AND DRILL SEEDER AND CULTIVATOR.—This is the latest Planet Jr. Combined Drill. It has a single wheel, 16½ inches high, making it easy to operate. It is either a hill or drill dropper, at the option of the user, and the seed drops in full view, as the rear of the spout in open and is white. Drops 4, 6, 8, 12 and 24 inches apart as desired. Cultivating attachments are 2 hoes, 3 cultivator teeth and a plow. Fully described in Planet Jr. Catalogue. Mailed free if you want it. Price complete $13.00.



NO. 17 SINGLE-WHEEL HOE



PLANET JR. NO. 12 DOUBLE-WHEEL HOE

PLANET JR. NO. 16 SINGLE-WHEEL HOE.—The latest and best single-wheel hoe; has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has an 11-inch wheel, with broad face; is very light, strong and easy running. It has an adjustable handle and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and 3 all-steel patent cultivator teeth; set of 2 rakes and a practical leaf guard. Price $6.35.

PLANET JR. NO. 17 SINGLE-WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price $4.50.



PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE

PLANET JR. NO. 12 DOUBLE-WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are 18 inches high, then wheels can be set close together and work between rows. Does the work of six men with ordinary hand hoes. Attachments, one pair 6-in. hoes, two pair hollow steel cultivator teeth, pair plows, pair leaf lifters. Price $6.50.



FARMERS' SINGLE-WHEEL HOE

FARMERS' SINGLE-WHEEL HOE.—Especially designed for the farmer's garden work. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-in. sweep, 6-in. sweep, 4-in. and 2-in. cultivator teeth. Price $3.75.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator. In use all over the civilized world and so well built as to stand incredible strain, yet light and easy to handle. The depth is under perfect control by a new lever wheel, making exact work, steadying machine and relieving operator. The reversible side hoes act as plows or hillers; works shallow and close, without injury to roots, and saves much hand labor. Price $8.50.



PLANET JR. NO. 25 HILL AND DRILL SEEDER

PLANET JR. NO. 13 DOUBLE-WHEEL HOE.—Is identical with No. 12, described above, but has only one pair of hoes, no other attachments. Price $4.25.

PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE.—A new tool specially serviceable for heavy soils. There are three discs on each side, of which two or more may be used as desired, and can be adjusted for depth. Two sets of prong cultivator teeth. Tooth next to row is narrow to run shallow, middle tooth wider and runs one-half inch deeper, outside tooth much wider, runs deeper still. Two plows of regular Planet Jr. model. Price complete $7.50.

PLANET JR. TWELVE-TOOTH HARROW.—Depth and width regulated by hand levers while in motion. Cultivates deep without throwing earth upon plants, and its smooth, round-throated teeth turn strawberry runners without injuring them. We guarantee it to prevent clogging, and teeth are quickly reversed by changing a single bolt in each. Is provided with a pulverizer which leaves the ground in fine condition. Price $8.50; or, without the pulverizer, $7.25.

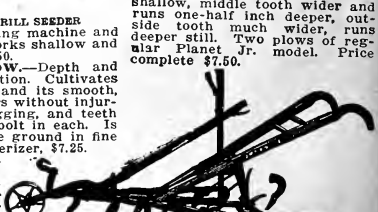
PLANET JR. CULTIVATING ATTACHMENTS.—These are interchangeable and can be used on the frames of any of the Planet Jr. cultivating tools whether combined drills or double wheel hoes. Cultivator teeth, not prepaid, at the following prices per pair:

Write for price if to go by mail.

Regular cultivator teeth	70c
Three-tooth rakes	70c
Five-tooth rakes	90c
Six-in es	90c



PLANET JR. NO. 9 HORSE HOE



PLANET JR. TWELVE-TOOTH HARROW

Seven-inch hoes	$1.00
Eight-inch hoes	1.10
Disc hoes	2.25
Three-tine cultivator teeth	1.30

UNIVERSAL GARDEN TOOLS

NEW UNIVERSAL HILL AND DRILL SEEDER CULTIVATOR, PLOW, RAKE AND MARKER NO. 22.—The seeding attachment will plant in drills and in hills in distances from 4 to 48 in. We advocate using seeders with one wheel. An extra wheel is packed with each implement to allow use of cultivating attachments with either one or two wheels. These attachments, as illustrated, accompany each implement. By removing two bolts, seeder attachment is removed, and by use of same bolts handles and arms are attached to cultivating frame. Arch 20 in. high, allowing cultivation to that height. Adjustable pads allow expansion. Price $9.50.



NEW UNIVERSAL HILL AND DRILL SEEDER NO. 22

MATTHEWS' UNIVERSAL CONSTELLATION DRILL NO. 19.—Much improved, and we are convinced that this tool is one of the best. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a complete set of cultivating attachments, consisting of plows, hoes, rakes and cultivator teeth, as shown in cut. Can be used either with one or two wheels, and the seeding apparatus is detachable and interchangeable with the cultivator tools. Price only $8.00.

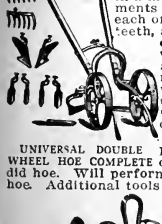


MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL AND CULTIVATOR NO. 19

MATTHEWS' UNIVERSAL GARDEN DRILL.—A new one-wheel drill of superior merit. It is particularly well adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seeds. The single-wheel seeder is considered by many as superior to any double-wheel drill. Price each $6.25.



UNIVERSAL DOUBLE-WHEEL HOE.—Complete.—A greatly improved implement which will work both sides of row at once in a most thorough manner. Has all attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards for use when plants become larger. The adjustable arch not only forms a means for gauging the depth of the work to be performed but, by an ingenious device enables the teeth to be pitched at any angle desired. Price, each, only $5.00.



UNIVERSAL DOUBLE WHEEL HOE COMPLETE

UNIVERSAL DOUBLE-WHEEL HOE.—Plain.—The above tool with only one pair of hoe blades. A splendid hoe. Will perform many times the work of anordinary hoe. Additional tools may be added as required. Ea. $2.50.

UNIVERSAL CULTIVATING ATTACHMENTS.—Rakes, per pair, 50c; plows, pair, 70c; cultivator teeth, pair, 50c; hoes, pair, 70c. Mailing wt. of above is 2 lbs. per pair.



McGEE GARDEN CULTIVATOR.—A double-wheel hoe with a spring arch which gives the operator control so he can run as close to the row as desired. Is supplied with a pair of hoes and two double-shovel cultivator teeth. Price each $5.00.

Extras for McGee Cultivator.—Pair of rakes $1.00; pair of leaf guards 60 cts.; pair of plows $1.25; pair of scroll knives

COLUMBIAN GARDEN DRILL

The Columbia Garden Drill we consider one of the most perfect machines in the market for planting all kinds of seeds. It is not only adaptable to all kinds of vegetable seeds, but can also be used for planting seed grain or forage crops. It is popular with gardeners and around Des Moines is given preference. It is not a cultivator, but is a first-class seeder. With each machine we send a little booklet, "Seeds and Sowing," containing full directions for operating the tool and much valuable information about farm and vegetable seeds.



No. 10.—Like illustration. Strong, durable, simple and performs the work splendidly. Regular price $10.50; our special price $9.75 ea.

No. 11.—Is exactly like No. 10, but has two fertilizer attachments. One who has not used fertilizer in the drill when planting cannot realize the tremendous advantage gained in earliness and strong growth. Regular price, each $14.50; our special price, each $12.75.

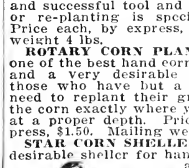
SEGMENT HAND CORN PLANTER.—A hand corn planter which can be operated with one hand, and an immense amount of ground can be planted in one day with this small planter. Drops as fast as you can walk, and you make it drop where you want it. Open drop by simply bending the planter forward thus pressing the spring which controls the hopper opening and permits the corn to fall through. You can also plant beans or peas with it and it drops pumpkin seed by a simple operation without interfering with the corn planting. It is a popular and successful tool and for small fields or re-planting is specially desirable. Price each, by express, $1.25. Mailing weight 4 lbs.



SEGMENT CORN PLANTER

ROTARY CORN PLANTER.—This is one of the best hand corn planters made and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price each, by express, $1.50. Mailing weight 8 lbs.

STAR CORN SHELLER.—A specially desirable sheller for hand use. Has an attachment for shelling tips and butts separately, thus making it very desirable in saving seed corn. We also supply an extra attachment for shelling pop corn which can be used as desired. Can be fastened on a box and has a reversible chute which throws the cobs out at the rear away from the shelled corn. It is strong and well made and will last a lifetime. At the very low price at which it is offered, and considering its durability, we consider it the best hand corn sheller on the market. Price each, by express, $1.25; dozen, $14.00. wt. 12 lbs.

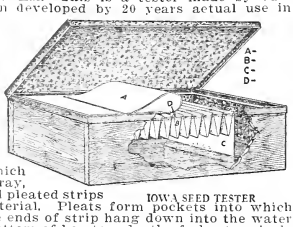


PLANTER PATENT SEED CORN GRADER.—Single Sieve.—A sieve grader 12x18 in. in size with screen of heavy galvanized iron and mesh especially suited to grading seed corn before planting. A cheap, quick and effective method of eliminating tip and butt grains and preparing seed for edge dropping. Each by express, 65c. Mailing weight 3 lbs.



Double Sieve.—Like above, with two sieves attached. Each by express

IOWA SEED TESTER.—This is a tester made by ourselves. It has been developed by 20 years actual use in testing seeds sold by us. First is a metal box about 4 inches deep, surrounded by an asbestos protector and covered with a neat wooden case. This triple arrangement makes it proof against changes in temperature. Over metal rods which extend across the tray, there are suspended pleated strips of very porous material. Pleats form pockets into which seed is placed. The ends of strip hang down into the water which covers the bottom of box to a depth of about an inch. The strip draws up water by capillary attraction as a lamp wick draws up oil. This is the correct method of conveying moisture. The seeds are never oversoaked, never too dry.



IOWA SEED TESTER

NO. 1.—Holds 100 tests of corn or 160 of grain or seeds. 80 rods and pockets. By express $3.50. Mailing wt. 6 lbs.

NO. 2.—Holds 160 tests of corn or 240 of grain or seeds. Furnished with 120 rods and pockets. By express $5.00. Mailing weight 10 lbs.



HOLDEN'S IDEAL CORN TESTER.—NO. 1.—Made of galvanized iron as per pattern shown in the illustration. It is for testing ears of seed corn before shelling for seed. Capacity of this size 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, $10.00.

HOLDEN'S IDEAL CORN TESTER.—NO. 2.—A cabinet tester, with capacity for 1,000 tests at one time. By express or freight, each $15.00.

NO. 4.—A single box tester of galvanized iron; capacity 200 tests. By express or freight, each $5.00.

IMPROVED LITTLE GIANT SEED SOWER.—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. Very easy to understand and operate. Directions with each machine. By express $1.25. Mailing weight 4 lbs.



EUREKA POTATO PLANTER

EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. It also plants beans and corn equal to any corn planter. See illustration. By express $1.25. Mailing weight 4 lbs.





CLIPPER SEED CLEANER

CLIPPER SEED-CLEANER.—This is an up-draft fanning-mill and does the best work in cleaning all kinds of seed and grain; more of these are used by seed dealers than all other makes combined, and farmers would save the price of a mill in many cases by cleaning and grading up their grain before selling. A Clipper will pay for itself in one year by the increase in yield resulting from carefully cleaned seed grain. Price, only $25.00, or if sent direct from the factory in Michigan, only $22.00.

LANG'S HAND WEEDER.—Is in our opinion the best; its special feature a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 30c each, postpaid. By express, each 25c, dozen $2.50.



EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price by parcel post each 15c, doz. $1.26; by express each 10c, doz. $1.00.



BLUE GRASS STRIPPERS.—For gathering seeds. Each, by express, $2.00. Mailing weight 4 lbs.

GARDEN TROWELS.—By parcel post 5-in. 15c; 6-in. 20c. By exp. 5-in. 10c, 6-in. 15c.

FLORIST TROWELS.—Extra heavy and durable. Best made. By parcel post ea. 38c; by exp. 25c.

"NEVERBREAK" GARDEN TROWELS.—Extra heavy, strong, durable. By parcel post 33c; by express 25c.

DIBBER.—Steel pointed, for transplanting vegetable plants. Each, by parcel post, 33c; by express, 25c.

CONCAVED AND CURVED SEED POTATO KNIFE.—Is thin and of right shape to cut one, two or three eye pieces fast and not crack the tuber or injure the germ. Far superior to the ordinary straight-blade knives for this purpose. Ea. by parcel post 30c; by express 25c.


CONCAVED AND CURVED POTATO KNIFE.


LITTLE GIANT MOLE TRAP

LITTLE GIANT MOLE TRAP.—Not so large as the Reddick, but principle is similar. Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each, by express, 75c. Mailing weight 2 lbs.


REDDICK MOLE TRAP

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price, by express, $1.00. Weight 3 lbs.

EUREKA SEED DRILL.—A small hand drill for vegetable seeds in beds. Gardeners will like it for sowing seeds in hotbeds. By express $1.25. Wt. 3 lbs.

COMMERCIAL FERTILIZERS

Owing to the European war, the price of potash fertilizers is very uncertain, hence we ask you to write for prices on large lots.

KAINIT.—A natural mineral product containing 12 per cent of potash and 33 per cent salt, in available soluble form. Use 200 lbs. per acre, broadcast at spring plowing. Price per 100 lbs. $1.50, 500 lbs. $7.00.

NITRATE OF SODA.—Imported from the great nitre beds in Chili. It is the most popular fertilizer for stimulating vegetable growth. Use sparingly. Generally applied direct to the hills of growing plants. Price per 10 lbs. 65c, 50 lbs. $2.25, 100 lbs. $4.00.

ACID PHOSPHATE.—A ground mineral containing about 14 per cent phosphoric acid, a constituent highly important in balanced fertilizer for farm crops. Use 200 lbs. per acre broadcast at spring plowing. Per 100 lbs. $1.50, 500 lbs. $7.00.

SULPHATE OF POTASH.—A concentrated mineral fertilizer with 52 per cent available potash. So very strong that it is only used in small quantity (about 50 lbs. per acre) or as a part of fertilizer mixtures. Best for garden and lawn uses. Per 10 lbs. 65c.

MURIATE OF POTASH.—A different product from above but nearly as strong and is to be used in like manner. Contains 48 per cent available potash. Best for field and grain crops. Price per 10 lbs. 65c.

PEERLESS GRAIN FERTILIZER.—A mixture of commercial fertilizers in such proportion as will furnish nitrogen, phosphorus, humus and potash for the growing corn or small grain, and has the additional advantage of destroying root and wire worms in the soil. Especially recommended on fields where corn is grown several years in succession. 300 lbs. per acre broadcast at spring plowing. Price per 100 lbs. $2.75, 500 lbs. $12.00, 2,000 lbs. $34.00.

POULTRY SUPPLIES

Prices are subject to important market changes. Transportation to be paid by purchaser except where marked postpaid. In sending postage for items which you want to come by parcel post, be sure to add 1 pound to stated weight of package goods.



PLYMOUTH ROCK CHICK FOOD.—This food has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained. The food is composed of various kinds of grains, bone and other nutritive foods, making it the most complete and cleanest chick food on the market. Price per 25 lb. bag 75c, 50 lbs. $1.35, 100 lbs. $2.50.

PLYMOUTH ROCK HEN FOOD.—In the preparation of this food we have had in mind the production of the best food that could be made for laying hens and the keeping of all fowls healthy. Price, 25 lbs. 65c, 100 lbs. $2.25.

PLYMOUTH ROCK POULTRY MASH.—A mash food containing much the same ingredients as Plymouth Rock Hen Food. 25 lbs. 65c, 100 lbs. $2.25.

PLYMOUTH ROCK POULTRY FATTENER.—A mash for finishing poultry for market. 25 lbs. 60c, 100 lbs. $2.00.



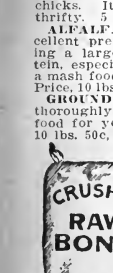
HAWKEYE CHICK FOOD.—We do not add grit or shell to our Plymouth Rock brands of poultry foods but this brand contains both in the proper amounts. The grits used are small sizes suitable for the growing chicks. 25 lbs. 65c, 100 lbs. $2.25.

HAWKEYE HEN FOOD.—Is like the Plymouth Rock Hen Food but has grit and shell added to the formula. Price, 25 lbs. 60c, 100 lbs. for $2.00.

SPRATT'S CHICK MEAL.—Specially prepared to be used as a food for young chicks. It keeps them healthy and thrifty. 5 lbs. 50c, 25 lbs. $2.00.

ALFALFA CLOVER MEAL.—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash food. Valuable as a winter food. Price, 10 lbs. 25c, 25 lbs. 50c, 100 lbs. $1.60.

GROUND BEEF SCRAPS.—Fresh beef thoroughly cooked and dried; excellent food for young chicks or laying hens. 10 lbs. 50c, 25 lbs. $1.00, 100 lbs. $3.50.



CRUSHED RAW BONE.—Really better than the shell, but will pay to use both. Best quality, made from fresh bones. 10 lbs. 50c, 25 lbs. $1.00, 100 lbs. for $2.75.

RAW BONE MEAL.—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 45c, 25 lbs. for 85c, 100 lbs. $2.50.

CRUSHED CLAM SHELL.—Harder than oyster shell, and not dissolving so readily, will serve as grit; contains a large amount of available lime necessary in egg production. Price, 25 lbs. 35c, 100 lbs. 75c, 500 lbs. at 70c per 100.

CRUSHED OYSTER SHELL.—A most important article for the poultry yard and should be supplied liberally. Superior quality. Hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 25 lbs. 25c, 25 lbs. 40c, 100 lbs. $100, 500 lbs. $1.50.

PEARL GRIT.—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs. 35c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

PEARL CHICK GRIT.—A small grit which is a necessity when raising young chickens. Per 25 lbs. 35c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

CHARCOAL.—Granulated to just the right sizes for either poultry or chicks. Two sizes. 5 lbs. 25c, 10 lbs. 50c, 25 lbs. $1.00, 50 lb. bag. $1.50.

MEDICATED CHARCOAL.—Claimed to be better than ordinary charcoal. 5 lbs. 50c, 10 lbs. $1.00, 25 lbs. $2.25.

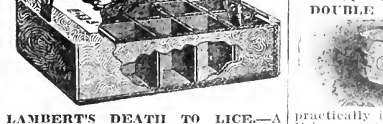
CLIMAX BASKETS.—Are desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10 50c, 50 for $1.75, 100 for $3.50. Weight 1 lb. each.



SHIPSAFE EGG CASES.—Similar to above but shipped in flat, saving freight or express charges. We recommend them. Price, 15-egg size $1.25 per doz., 30-egg $2.00 per doz., 50-egg $3.00 per doz., 100-egg $5.00 per doz. Mailing weight, 15-egg size, 1 lb.; 30-egg size, 2 lbs.; 50-egg size, 3 lbs.

SEFTON LIVE CHICK BOX.—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size $1.50 doz., 50-chick size $2.00 doz., 100-chick size $3.50 per doz. Mailing weight, 25 size, 2 lbs.; 50 size, 4 lbs.; 100 size, 6 lbs.

EYRIE EGG BOX.—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen $1.75. No. 2 holds 30 eggs, per dozen $2.50. Mailing weight, 15-egg size, 1 lb.; 30-egg size, 2 lbs.



LAMBERT'S DEATH TO LICE.—A remedy for poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. By express, trial size 10c, 1 lb. pkg. 25c, 3 lb. pkg. 50c.

CONKEY'S LICE POWDER.—One of the most perfect lice killers. Also good for fleas on dogs and other animals. By express, 1 lb. pkg. 25c, 3 lb. pkg. 50c, 7 lb. pkg. $1.00.

LEE'S INSECT POWDER.—Use on fowls, in nests, and among the litter. Has sprinkler top to the can. By express, 20 oz. pkg. 25c, 3 lb. pkg. 50c.

ANTISEPTIC NEST EGGS.—Keeps vermin from the nests and causes them to leave fowls. By express, per doz. 45c.

GLASS NEST EGGS.—5c each, 12c per doz., 4 doz. for $1.25, postpaid.

PRATT'S POULTRY REGULATOR.—(Formerly called Prntt's Poultry Food.)—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. By express, 26 oz. pkg. 25c, 4 lb. pkg. 50c, 9 lb. pkg. $1.00.

CONKEY'S ROUP CURE.—An excellent remedy that has been thoroughly tried and has given excellent satisfaction. Trial size 25c, regular size 50c, large size $1.00, postpaid.

CONKEY'S CHOLERA CURE.—We consider this the most dependable cholera cure known. Used for cholera, indigestion, bowel trouble, diarrhoea and kindred diseases. Trial size 25c, regular size 50c, postpaid.

CONKEY'S LAYING TONIC.—A splendid item for laying hens, and beneficial to all poultry. By express, 24 oz. pkg. 25c, 3¼ lb. pkg. 50c, 7½ lb. pkg. $1.00.

LEE'S EGG MAKER.—Sold under a manufacturer's guarantee to make hens lay. Foundation is granulated blood, deodorized. By expr., 2½ lb. pkg. 25c, 5 lbs. 50c. Add postage if by parcel post.

LEE'S GERMOZONE.—A liquid to be given in the drinking water of fowls. It will cure cholera, roup and nearly all poultry diseases. By express 50c. Mailing weight 2 lbs.

GERMAZONE TABLETS.—Lee's Germazone in the form of small tablets to be dissolved in drinking water of the fowls. Per box of 50 tablets, postpaid, 50c.

LEE'S LICE KILLER.—A liquid that will eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. By express, qt. 35c, ½ gal. 60c, gal. $1.00. Mailing weight, qt., 3 lbs.; ½ gal., 5 lbs.; gal., 10 lbs.

CONKEY'S LICE LIQUID.—For painting roosts, nest boxes, coops and houses. Kills lice and mites. By express, qt. 35c, ½ gal. 60c, gal. $1.00. Wt. same as Lee's.



LEADER LEG BAND

LEADER LEG BAND—No. 2—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c, 100 65c, postpaid. 500, not prepaid, $2.75.

LEADER LEG BAND—No. 1—For bantams and smaller breeds. Doz. 20c, 100 65c, postpaid; 500, not prepaid, $2.75.

DOUBLE CLINCH LEG BANDS.—

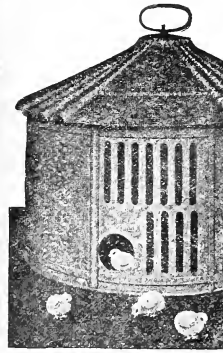
The fastening consists of two clinches which close down over the end of band in such a way as to make it practically impossible to lose them off. Prices, postpaid, doz. 50, 40c; 100, 65c; not prepaid, 500, $2.75.

PHILADELPHIA POULTRY MARKER.—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 25c each, postpaid.

PILLING LANSDOWNE POULTRY MARKER.—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent postpaid for 25c.



CONKEY'S FLY KNOCKER.—A liquid that kills all flies and insects it strikes, and drives others away. Very useful to cows and horses. Especially valuable to dairymen. Stock sprayed with Fly Knocker will not be troubled with insects while feeding. By express, qt. 35c, ½ gal. 60c, gal. $1.00. Mailing weights, qt. 3 lbs.; ½ gal., 5 lbs.; gal., 10 lbs. We will quote special prices on large quantities.



LUTHE BROOD COOP.—Round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Size 22 in. diameter, 20 in. high. Each $1.60; doz. $18.00.

NEWTON BROOD COOP.—Similar in style to the Successful coop. Has three entrances for small chicks when closed on the hen. One size only, 17½x22 in.; front 15 in. high, rear 13 in. Made of extra heavy galvanized iron. Weigh 15 lbs. each. Price $1.60, doz. $18.00.

EMPIRE EXHIBITION COOP.—The standard make, used by nearly all first-class shows:

Style AA—Length 2 ft., width 2 ft., height 27 in., with solid ends and wire back $5.00. We also carry the Style AA

Style C—Is 4 ft. long with two compartments each of which is 22x24x26 in. Price with solid veneer ends, wire back and front, $4.60; with solid ends and back $3.00. With solid veneer back $3.20, fronts 2 ft. long at 90c each. Style C fronts 4 ft. long at $1.75 each. Larger sizes ordered when wanted.

ECLIPSE EXHIBITION COOP.—The frames and bottom are of basswood. Front bars iron. Top, sides and front curtain are canvas. Shipped "knock down" but are easily put together.

	High	Deep	Long	Weight	Each
No. 1..	28 in.	25 in.	20 in.	16 lbs.	$1.75
No. 2..	28 in.	25 in.	36 in.	23 lbs.	2.50
No. 3..	28 in.	25 in.	48 in.	27 lbs.	3.50

IOWA SHIPPING COOPS.—All wood. Sides and end pieces nailed together with cleats so that coops are readily made in using form. As shown by cut coops are ventilated front and back and tip is covered with slats, giving thorough ventilation. Cleats around upper and lower end make it easy to handle.

	Dimensions	Weight	½ doz.	1 doz.
No. 1—	18x12x18 in.	6 lbs.	$1.00	$3.60
No. 2—	18x15x18 in.	8 lbs.	1.10	4.00
No. 3—	18x20x18 in.	10 lbs.	1.25	4.50
No. 4—	24x20x18 in.	12 lbs.	1.40	5.00
No. 5—	30x20x18 in.	14 lbs.	1.75	7.00
No. 6—	36x24x18 in.	16 lbs.	2.25	9.00



SUCCESSFUL SANITARY BROOD COOP.—Made of galvanized iron. Rat, mink, weasel, mite and rain proof. Weights, No. 1, 13 lbs.; Nos. 2, 3, 20 lbs.

No. 1—17½x23 in.; height, front 16 in., rear 12 in. Each $1.35, doz. $16.00.

No. 2—23¾x29 in.; height, front 24 in., rear 18 in. Each $2.50, doz. $27.00.

No. 3—23¾x29 in.; height, front 16 in., rear 12 in. (for young chicks). Each $2.00, doz. $22.50.

BANNER POULTRY FENCE.—Made of heavy No. 17 galvanized wire with small square mesh at bottom, ranging larger at top. Strong and durable. Small chicks cannot get through and it will turn dogs and small animals. Put up in rolls of ten rods length.

Width	Cut Rolls Per 10 Ft.	Full Roll	Five Rolls
18-inch	$ .16	$2.40	$11.50
24-inch	.20	3.00	14.00
36-inch	.25	3.60	17.00
48-inch	.30	4.20	20.00
60-inch	.35	5.00	23.50
72-inch	.40	6.00	28.50

GALVANIZED STAPLES.—For fastening wire poultry netting, 40c per lb.

WIRE HENS' NESTS.—These nests are strongly made from heavy wire and will last a lifetime. There is no room on them for lice to find a lodging place, and they are easily kept clean. Each 15c, half doz. 80c, doz. $1.50, not prepaid.

POULTRY NETTING

We can supply both the hexagon mesh of the pattern shown in the illustration and also the square mesh at same price.



The best make; thoroughly galvanized to prevent rusting, and properly twisted. The following prices are subject to important market changes:

Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length.

Width Inches	Per Roll	Width Inches	Per Roll
12	$ .90	36	$2.70
18	1.35	48	3.60
24	1.80	60	4.50
30	2.25	72	5.40

One-inch mesh, No. 20 wire, for young chicks and Belgian hares.

12	$2.00	30	$5.00
18	3.40	36	6.00
24	4.00		

Other widths if desired.

Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of 2-inch mesh, 1 cent per square foot.

Cut rolls, any width, of 1-inch mesh, 2 cents per square foot.

BLATCHFORD PRODUCTS

CALF MEAL.—Takes the place of milk as a feed for young calves. One pound makes a gallon of feed. Price, 25-lb. bag $1.00; 50-lb. bag $2.00; 100-lb. bag $3.50; 500 lbs. $16.50.

PIG MEAL AND LAMB FOOD.—For little pigs or lambs at same quantity prices as Calf Meal.

EGG MASH.—A feeding mash for laying hens. Claimed by manufacturer to be superior to any other formula. Price, 25-lb. bag 75c; 100-lbs. $2.75; 500 lbs. $13.

MILK MASH.—For growing chicks and finishing fowls for market. Produces a wonderful growth in young chicks. Price, 5-lb. carton 25c; 25-lb. [illegible] $1.00; 100-lb. bag $3.00.



BUFF PLYMOUTH ROCK

EGGS FOR HATCHING

If 15 chicken eggs are wanted for a setting, add 15c to price quoted.

We are prepared this season to supply eggs for hatching from choice farm-raised, high-grade, thoroughbred stock of the leading varieties. They are superior egg-laying strains and have won many prizes at leading poultry shows.

BARRED PLYMOUTH ROCKS.—The farmer's favorite. From large, well-marked stock. Setting of 13 eggs $1.25.

WHITE PLYMOUTH ROCKS.—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs $1.25.

BUFF PLYMOUTH ROCKS.—Becoming very popular as a general purpose fowl. Per setting of 13 eggs $1.50.

WHITE WYANDOTTES.—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs $1.50.

SILVER-LACED WYANDOTTES.—Most popular of Wyandotte class. Per setting of 13 eggs $1.50.

BLACK LANGSHANS.—Very satisfactory for general purposes. Per setting of 13 eggs $1.50.

BROWN LEGHORNS.—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs $1.25.

SINGLE COMB WHITE LEGHORNS.—Beautiful and profitable variety. Per setting of 13 eggs $1.25.

LIGHT BRAHMAS.—High scoring stock. Per setting of 13 eggs $1.50.

RHODE ISLAND REDS.—Single or Rose Comb as preferred. Per setting of 13 eggs $1.50.

BUFF ORPINGTONS.—Large, handsome fowls. Per setting of 13 eggs $1.50.

WHITE ORPINGTONS.—Most popular breed among fanciers. Our stock is a fancy strain. Setting of 13 eggs $1.50.

BLACK ORPINGTON.—The Orpington that is the favorite of the breed with many. Per setting of 13 eggs $1.50.

BUFF COCHIN BANTAMS.—Similar in shape and color to the standard Buff Cochin fowl, except in size. Price per setting of 15 eggs $2.00; 7 for $1.00.

BRONZE TURKEYS.—Usually scarce, but we hope to have a good supply this season. Setting of nine eggs, $3.00.

WHITE HOLLAND TURKEYS.—Preferred by some over the Bronze variety. Per setting of 9 eggs $3.00.

MAMMOTH WHITE PEKIN DUCKS.—Per setting of nine eggs $1.50.

INDIAN RUNNER DUCK.—Considered the best layers of any breed of ducks. Quick growing. Setting of 9 eggs $1.50.

EGGS FOR INCUBATORS.—Write us for prices, stating the number of eggs you will want and breed. Will quote you very lowest prices.

BREEDING STOCK.—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Write for 2-price list.



SANITARY DETACHABLE FOUNTAIN.—Is made of stoneware; the chicks can drink all around. Easily cleaned. Shipped only by freight or express. One-quart 25c, doz. $2.50; 2-quart 30c, doz. $3.00; gal. 35c, doz. $3.50; 2-gal. 50c, doz. $5.00.

MOE'S GRIT AND SHELL BOX.—Has three compartments for grit, shell and charcoal; galvanized iron. Can be used as feed hopper for small chicks; ½ pk. By express 50c. Wt. 4 lbs.

SUCCESSFUL GRAIN SPROUTER

For sprouting oats or other grain for poultry. Made entirely of galvanized steel in sections as shown in our illustration. Each section holds two trays for grain. Sections are interchangeable and the sprouter may be enlarged by additional sections as needed. Made in five sizes.

No. 1—Base and 1 Section, wt. 50 lbs.—2 trays, Each holds 8-10 qts. dry grain (30 to 60 hens).....$ 6.50
No. 2—Base and 2 Sections, wt. 70 lbs.—4 trays, holds 16-20 qts. dry grain (75 to 100 hens).... 8.50
No. 3—Base and 3 Sections, wt. 85 lbs.—6 trays, holds 24-30 qts. dry grain (130 to 200 hens)... 10.25
No. 4—Base and 4 Sections, wt. 100 lbs.—8 trays, holds 32-36 qts. dry grain (250 to 300 hens)... 12.75
No. 5—Base and 5 Sections, wt. 115 lbs.—10 trays, holds 40-50 qts. dry grain (400 to 600 hens).. 15.75
Each additional Section and 2 galvanized all-steel trays, wt. 20 lbs..... 2.75



IMPROVED AMERICAN FEEDER.—A metal feeding trough with top of wires to prevent crowding; a good water pan. By parcel post.

No. 1—3-inch trough; 18 in. long.....Each $ .50
No. 2—4-inch trough; 24 in. long.....Each .75
No. 3—5-inch trough; 36 in. long.....Each 1.00
Mailing weight, No. 1, 2 lbs.; No. 2, 3 lbs.; No. 3, 5 lbs.

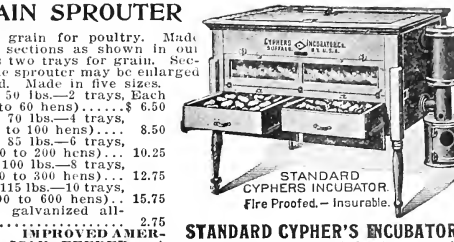


CYPHER'S PORTABLE HOVER.—You can set the portable hover any place—colony house, laying house, barn or dwelling. Self regulating with zinc and steel thermostat. Moved at will without disturbing the lamp. Make a pen of boards or wire netting around it and you have a perfect brooder. Capacity, 75 to 100 newly hatched chicks. Complete with thermometer, price each $8.50.

CYPHER'S BROODERS.

Style A. Outdoor, 32x32 inches.....$12.50
Style B. Outdoor, 32x36 inches..... 16.50
Style C. Outdoor, 32x62 inches..... 18.50

CYPHER'S GRIT AND SHELL BOXES.—Are made of galvanized iron. Like illustration of Moe's grit and shell box except bottom is flat. Can be hung up or set on the ground. By express, No. 1, 3 compartments, 65c; No. 2, 2 compartments, 75c. Mailing weights, No. 1, 3 lbs.; No. 2, 4 lbs.

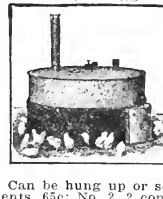


STANDARD CYPHERS INCUBATOR.
Fire Proofed.—Insurable.

STANDARD CYPHER'S INCUBATOR

Give the best of satisfaction, are the easiest to operate, require the least amount of oil, capacity considered, and will hatch a larger per cent than any other machine we have ever tried, including more than twenty of the leading machines. Nos. 0 and 1 do not have nursery shown in illustration.

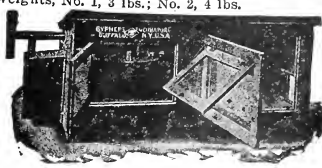
No. 0, 70 egg..$15 **No. 1,** 144 egg..$22
No. 2, 244 egg.. 32 **No. 3,** 390 egg.. 38











MOE'S TOP FILL FOUNTAIN.—Won't slop over. Dead air space keeps water cool in summer, warm in winter. Simple in construction. Remove cover and fill from top. Wates ceases to flow when cover is removed. By express, 1-gal. $1.25; 2-gal. $1.75; 4-gal. $2.25. Mailing weights, 1-gal., 3 lbs.; 2-gal., 5 lbs.; 4-gal., 10 lbs.

MOE'S SANITARY FEED TROUGH.—Can be used for feed; mash or water. Barred top prevents waste. Made of galvanized iron. By express, No. 21, 12 in. long, each 25c; No. 22, 18 in. long, 50c; No. 23, 24 in. long, 75c. Mailing weights, No. 21, 1 lb.; No. 22, 2 lbs.; No. 23, 4 lbs.

NORTHWESTERN AUTOMATIC FEEDER AND FOUNTAIN.—A metal pan in the center of which can be fastened a Mason fruit jar. Fill the jar with feed or water as desired, screw on pan and turn jar upside down, and the contents flow automatically into the pan as needed. We sell pans only, as everyone has Mason jars. Pans 8-in. diam., each 20c, postpaid; 6-in., each 25c, postpaid.

INCUBATOR THERMOMETERS.—We handle the best manufactured. All tested, and of known accuracy.

No. 751.—Straight, upright pattern, reads upward. Each 55c, postpaid.

No. 756.—Reads almost horizontally, but is liked by many as it lies in the machine without danger of breakage from agitation. Each 65c, postpaid.

NORWICH EXERCISER AND FEEDER

No. 1—8 qt. hopper; wt. 12 lbs.....$2.50
No. 2—14 qt. hopper; wt. 15 lbs..... 3.25
No. 3—20 qt. hopper; wt. 20 lbs..... 4.10
No. 4—32 qt. hopper; wt. 30 lbs..... 5.00

HEN FRIEND DRINKING FOUNTAIN.—Made of galvanized iron. Easily filled and handled. By express, 2-qt. size each 25c; 4-qt. each 35c; 10-qt. ea. 50c. Mailing weights, 2-qt., 1 lb.; 4-qt., 2 lbs.; 10-qt., 3 lbs.

BONE CUTTERS AND GRINDING MILLS

Must go by freight or express.

HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.—One of the leading bone cutters. Be sure and investigate this before you purchase. Manufacturer's guarantee given with each cutter sold. No. 1 cutter $12.00; No. 2¼, semi-power, $15.00; No. 2, all-power cutters, each $13.50.

HUMPHREY'S RAPID CLOVER CUTTER.—For cutting clover, alfalfa, etc., which are essential foods for poultry. Strong and durable, with five cutting knives and double-edge stationary knife which is reversible. Price each $11.00.

CROWN BONE CUTTERS. — No. 1. — Weighs 50 lbs.; is to be boltcd to bench or table for operation. Each $7.00.

No. 2.—Same as above, but has a tripod metal stand upon which cutter is fastened. Weighs 80 lbs. Each $8.50.

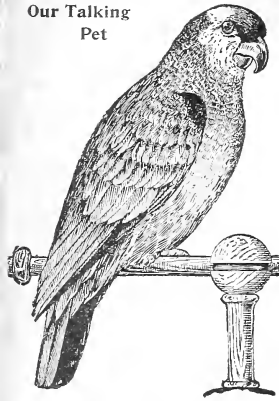
WILSON DRY BONE AND SHELL MILL.—It will grind either shell or dry bone and crack wheat or corn. Each $4.50.

MODEL GRINDING MILL.—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. **No. 1½,** each $3.00. **No. 2,** $4.50.

BOSTON DRY FOOD HOPPER.—A metal box with wire cover to keep out the rats. No. 1, capacity 4 qts.; No. 2, capacity 12 qts. By express, $1.00. Mailing weights, No. 1, 3 lbs.; No. 2, 5 lbs.



Our Talking Pet



BIRDS

"Little Dewdrops of Celestial Melody."

The companionship of a bird has brightened the life of many a tired, over-worked mother on whom the daily cares and burdens rested heavily. The music of a good singer makes the whole house more cheerful and every member of the family enjoys the pure, clear notes of a happy little song bird. The superior quality of our imported canaries will please the most critical. We handle thousands of birds annually and have the **largest mail order business in America.** Ask for complete illustrated catalogue. We ship to all parts of the United States and **guarantee live arrival** to any express office which is a railroad station. Express charges are to be paid by purchaser on all goods on this page except where stated. Book on canaries for 25c. Descriptive catalog free.

HARTZ MOUNTAIN CANARIES. — These birds are bred in Germany, high up among the Hartz mountains, and are famous for their clear, pure, beautiful song, which is a restful melody. Because their voice is just as nature gave it—unchanged by any training—we call them Nature's Solo Singer, to distinguish them from the trained bird below. These are the finest singers ever offered at the price. Male birds, guaranteed good singers, ea. $3.50. In stock from September to April.



HARTZ MOUNTAIN CANARY

PARROTS

GUARANTEED TALKERS

A bird that talks has a wonderful charm. Below we offer young, tame, hand raised parrots guaranteed to learn to talk. Living arrival guaranteed to any express office in U. S. located on a railroad. Birds ready to ship in early summer. Order very early.

CUBAN PARROTS.—Medium size, and make nice talkers. Usually in stock from June to September. $5.50 each.

ROYAL AZTEC DOUBLE YELLOW HEADS.—Our very finest talking strain, unsurpassed as imitators of the human voice. They are superior to all other American parrots and make most fluent talkers. Guaranteed. Price $15.00 during summer, but usually higher after August 15th.

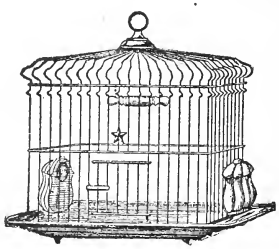
COMMON DOUBLE YELLOW HEADS.—Very good birds fully guaranteed and second only to the Royal Aztecs. Price $9.75 during the summer.

MEXICAN RED HEAD PARROTS.—Medium size, make nice talkers and great pets. Young birds ready in June. Price $5.00 each. Price higher toward end of season.

PANAMA PARROTS. — Large, green parrots, very fluent talking species. Usually in stock entire year. Price, $12.50 each.

CARTHAGENA OR SINGLE YELLOW HEADS.—Guaranteed. Ea. $12.50.

TRAINED PARROTS.—We buy and sell educated parrots. Ask about them.



IMPROVED BRASS CAGE

IMPROVED BRASS CAGES.—(Like cut.)—7x10 $1.70; 8¼x11⅛ $2.60.

IDEAL BRASS CAGE.—Like cut but has brass screen around lower part. Size 6x9 $2.20; 7x10 $3.00; 8⅜x11⅜ $3.50; 8⅜x11,⅝ fancy top, $5.00.

BREEDING CAGES. — Wood frame. Single compartment: 17 in. long $1.75; 19 in. $2.00. Double: 19 in. $2.50; 21 in. $3.00.

PARROT BOOK.—Paper cover, 25c. Parrot Catalogue free.

ST. ANDREASBERG JUBILEE ROLLERS.—These birds are trained singers imported from Germany. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes and long, silvery trills. Their most restful music continually surprises by its many changes. Male birds, guaranteed good singers. Each 5.00. In stock November to April.

FEMALE CANARIES.—Hartz females $1.50 and $2.00 each. Roller females $3.00 each. Order between September 1st and March 15th.

OTHER BIRDS. — Following usually in stock from October to April.

Goldfinches, males	$2.50 each
Linnets, males	2.50 each
Bullfinch, males	3.00 each

Following usually in stock at all times:

Brazilian Cardinal, males	$4.25 each
Java Sparrows, white	6.50 pair
Java Sparrows, gray	3.00 pair
Australian Shell Paroquets	7.50 pair
Royal Scarlet Macaws	25.00 each
Sulphur Crest Cockatoos	15.00 each
Rose Breast Cockatoos	10.00 each

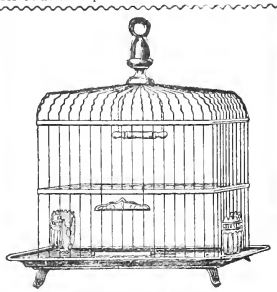
Any bird not in stock will be obtained for you when possible. Write for what you want. Ask for Bird Catalogue free.

ROUND PARROT CAGES.—Tinned wire, durable, and very satisfactory. 13 inches in diameter, $2.25; 14-inch $2.75; 16-inch $3.50; 18-inch $4.50.

WIRE NESTS.—10c each. Postage on one to three nests 4c extra.

TOY BELLS.—For birds, 7c, postpaid.

PARROT BELLS.—Each 12c, postpaid.



JAPANNED OR PAINTED CAGE.—Best cage on the market for the money. It is neat, durable and convenient.

No.	Size	Wt.	Price
65	6½x9½ in.	4 lbs.	$ .85
66	7 x10½ in.	4 lbs.	1.00
67	7¼x11 in.	5 lbs.	1.25
68	7 x11 in.	5 lbs.	1.40

BIRD SEED

But few persons are aware how much a bird's health, and consequently its song, depends upon feeding strictly fresh seed properly mixed and of good quality. **As you value the life of your bird,** feed only our fresh seed.

SUPERIOR MIXED BIRD SEED.—Per lb. 15c; 2 lbs. 25c.

GERMAN SUMMER RAPE.—Fed very largely to trained canaries. Price 15c per lb.; 8 lbs. $1.00.

SICILY CANARY.—Price 20c per lb.

MAMMOTH RUSSIAN SUNFLOWER.—Price 10c per lb.

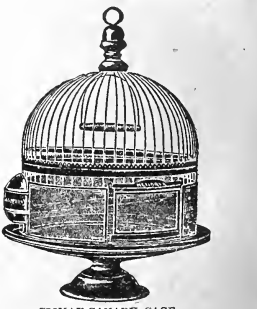
MIXED PARROT SEED.—Same price.

PARROT DAINTIES.—Per pkg. 25c, postpaid.

BIRD HEALTH.—A preparation of our own which will keep birds in good condition at all times. It relieves colds and cures obscure ailments after other remedies fail. Restores the voice and invigorates the system. Price per 2 oz. box 15c, postpaid. Four boxes for 50c.

CUTTLE BONE—7c each, postpaid.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all soft billed birds. Can 35c., wt. about 2 lbs.



CLIMAX CANARY CAGE

Very popular style. Neatly japanned, has screen to prevent scattering of the seed. Diameter 11 inches, total height 17½ inches. Parcel post weight 6 lbs. Price, by express, each $2.25.

GOLDFISH

BEAUTIFUL; EASY TO KEEP; WE TELL YOU HOW.

Did you ever own a globe of Goldfish? You admire them, no doubt, for their pretty form, exquisite coloring and graceful movements, but if you have never kept fish, you cannot realize how your interest grows as you become more familiar with them. They are not hard to keep; just follow our plain printed directions sent free with each Goldfish order and you can hardly fail to succeed. Goldfish are kept quite generally in city and town and there seems no reason why our customers in the country should not share just as fully in the pleasure a nice aquarium affords. Be the first in your locality to get an outfit; you will find all the neighbors interested and their admiration will add to your enjoyment of the fish. We ship Goldfish any time of the year except through the hot summer months, but buy early in the season while it is still cool weather because this is favorable for the fish. Ask for free Aquaria Catalogue.



GLASS FISH GLOBE



AQUARIA CASTLE

GOLD FISH.—While there are many varieties of gold fish as named and described in this list, we refer only to the plain variety by this name. These are more popular than the fancy sorts, being low priced and generally satisfactory. They are a species of carp, originally inhabiting ponds and sluggish streams in China, and they are better adapted to life in fish globes than any other breed of fish. They are universal favorites, of golden red color. Those bred in this state seem to have a peculiar brilliancy of coloring which is especially noticeable when in the fish globes. Prices, 10c, 15c, 25c, 35c, 50c and $1.00 each, according to size. The 25c size (5 for $1.00) is the most popular. The largest size is only suitable for ponds or fountains.

SILVER FISH.—This is simply an uncolored gold fish of dark silvery color. Nice for variety. Medium size 10c each; 6 for 50c.

PEARL FISH.—These elegant fish are either of a clear pearly white color or white variegated with gold markings. Medium size 25c; 6 for $1.00.

AMERICAN FANTAIL FISH.—Are bred from the imported Japanese fish and are very handsome. Price, according to size, shape and color, 25c, 35c, 50c and 75c each.

ORIOLE FISH.—Are beautifully variegated golden red and clear black. Medium size 30c each.

AQUARIUM CASTLES.—Very pretty castle like cut in upper right corner. Size for 1 gal. globe 20c, parcel post weight 1 lb. Size for 2 gal. globe 30c, weight 2 lbs. Ask for free Aquaria Catalogue showing many other styles.

PREPARED FISH FOOD.—Good for all kinds of gold fish. This we import from Germany where they make the best quality and of the purest materials. Price 10c per box, postpaid.

GLASS FISH GLOBES.—These are neat, cheap and consequently more popular than the large aquariums. Like cut in upper left corner of page. Measurements are approximate.

1-qt.—5 in.	$ .25	4-qt.— 8 in.	$ .60
2-qt.—6 in.	.40	8-qt.—12 in.	1.00
		16-qt.—12 in.	$1.75

COMET FISH.—Also called "Gorgeous Tails," "Long-Tailed Beauties," and "Fancy Gold Fish." They are without doubt the most graceful in their movements of all aquaria fish. Medium size 25c each; large 50c each. Extra choice colors and markings 75c to $1.25.

JAPANESE FANTAIL FISH.—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tails are long and of delicate lace-like appearance. The tail is V-shape and frequently divided so that it might be called two distinct tails. They are beautifully variegated usually with golden red and pearly white or black. Choice specimens 50c each. Fancy 75c each. Extra fancy $1.00 each.

JAPANESE FRINGETAIL FISH.—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens sell at $10.00 to $50.00 each. We can furnish select specimens at $3.00 and $5.00.

TELESCOPE FISH.—A very curious appearing fish which always attracts attention from its "extreme ugliness." Its eyes are abnormally large and bulging. Price $1.00 to $1.50. Black Telescopes, which are quite rare, $3.00 each.

SHIPPING BUCKETS.—Unless you order fish globe with fish it will be necessary to ship them in a can or bucket. For this purpose we offer 2 or 3-quart tin buckets suitable for holding 6 medium sized fishes or less at 10c each, 4-quart at 15c, 6-quart, will hold 12 medium sized fishes, 20c.

STANDING FISH GLOBES.—These are raised up on a glass base and are handsomer than the ordinary fish globe. Holds About Ea. Holds About Ea.
½ gallon.....$1.00 2 gallons....$2.25
1 gallon..... 1.25 3 gallons.... 3.00

AQUARIA BOOK.—Illustrates and describes all best kinds of fancy fish. How to breed and care for gold fish, etc.; 64 pages; 15c; cloth bound, 50c, postpaid.

AQUARIUM PLANTS.—See page 130.

WHITE SAND.—Absolutely clean. Is very beautiful for aquariums. Price per pkg. (about 2 lbs.) 10c.

DIP NETS.—For handling fish without danger of injuring them. Medium size, 25c, postpaid.



THE PARLOR AQUARIUM.

This is such a pretty and unusual design that it is very popular and a great seller. It consists of a shallow globe which rests on a metal stand where it is held by a thick glass stem protruding from lower part of the bowl. The wide open top allows freest access of air for the fish and gives best opportunity for arranging plants or ornaments, all of which are visible to best advantage. Globe with aluminum stand $3.25, or with plants and four fish to stock it, all for $4.75. Same aquarium with neat black iorn stand, 50c less.

HOME COLLECTION

Consists of one 4-quart Globe, three pretty Fish, Plant, Shells, and Food. Weight, packed for shipment, about 13 pounds. Price, $1.25.



STANDARD AQUARIUM.—Very strong iron frame, thick slate bottom. Our best line.
No. 1, size 18x10x11, holds 5 gal..... $ 7.00
No. 3, size 22x11x13, holds 12 gal..... 10.00
Dimensions are outside measure. Larger sizes quoted on request.

PARLOR COLLECTION

Consists of one 8-quart Globe, five Fancy Fish, Food, Plant, Shells. Shipping weight about 20 pounds. Price of Collection, $2.00.

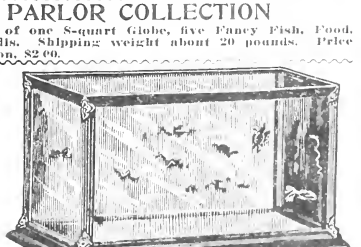
Books on Fish

THE AQUARIA.—Listed above. Best popular low-priced treatise on Goldfish. By C. T. Page. Price, paper cover, 15c; cloth bound, 50c.

GOLDFISH.—A large work by Hugo Muliertt Very comprehensive and interesting. Price, $2.00, postpaid.

GOLDFISH BREEDS.—An up-to-date work endorsed by scientists and specialists in this line. It contains 280 illustrations, has 390 pages and is well bound. Price, $3.00, postpaid.

CEMENT.—Invincible waterproof cement, to set glass in aquarium. Lb. 25c.



BOSS AQUARIUM.—Best low-priced aquarium on the market.
No. 10, size 14½x9¾x10, holds 2½ gal.. $3.00
No. 11, size 18 x10¾x11½, holds 6 gal.. 4.00
No. 12, size 20½x13 x13½, holds 9 gal.. 5.00
Dimensions outside measure.

INDEX TO CATALOGUE

VEGETABLE SEEDS

PAGE

Artichoke 3
Asparagus 3
Asparagus Roots..... 38
Beans..... 4, 5, 56
Beets 5, 6, 7, 58
Borecole or Kale..... 17
Broccoli 8
Brussels Sprouts..... 8
Cabbage..... 10, 11
Carrot..... 9, 56
Cauliflower 8
Celery 12
Celeriac 12
Chervil 16
Chicory..... 16
Chives..... 37
Chufas..... 16
Citron Melons..... 22
Collards 8
Corn, Pop 53
Corn, Sweet..... 14, 15
Corn Salad..... 16
Cress 16
Cucumber 13
Curious Vegetables. 16
Egg Plant..... 17
Endive..... 17
Garden Huckleberry 32
Garden Lemon..... 32
Garden Plants..... 37
Garlic 38
Gourds..... 17
Ground Cherry..... 32
Herbs..... 37
Horse Radish..... 38
Kale..... 17, 55
Kohl Rabi..... 17
Leek..... 17
Lettuce..... 18
Mangel Wurzel..... 7, 56
Melon, Musk..... 19, 20
Melon, Water ... 21, 22
Melon, Citron 22
Mushrooms..... 23
Mustard..... 23
Odd Vegetables..... 16
Okra or Gumbo..... 23
Onions 24, 25
Onion Sets..... 25
Parsley 28
Parsnip 28
Peanuts 28
Peas 26, 27
Pepper 28
Pomegranate..... 28
Potato Seed..... 28
Pumpkin 29
Radish 30, 31
Rhubarb 32
Rhubarb Roots ... 38
Romaine 18
Ruta Baga 36
Salsify..... 32
Spinach 32
Squash..... 33
Sugar Beet..... 7
SweetPotato Plants 38
Tobacco..... 36
Tomato..... 34, 35
Turnip..... 36
Vegetable Marrow.. 33
Vegetable Plants... 38
Vine Peach..... 32
Witloof 16
Wonderberry 16

FARM SEEDS.

Alfalfa 61
Barley..... 52
Buckwheat..... 53
Broom Corn..... 53
Cane..... 54
Clover 61, 62
Corn..... 38 to 49
Corn, Sweet Fodder 49
Cow Peas..... 56
Feterita..... 54
Field Peas..... 56
Field Beans..... 56
Flax 53
Giant Spurry..... 55
Grass Mixtures ... 60
Grass Seed..... 59, 60
Kaffir Corn..... 54
Kale 55
Lawn Grass 63
Millet..... 62
Milo Maize..... 54
Oats 41 51
Pasture Mixtures .. 60
Pencilaria..... 55
Potatoes..... 57, 58
Rape..... 55
Rye 52
Salt Bush..... 55
Sand Vetch 56
Seradella 55
Speltz..... 53
Soja or Soy Beans. 56
Sorghum 54
Sudan Grass 64
Sweet Clover..... 62
Sweet Potatoes.... 58
Sunflower 53
Teosinte 54
Tree Seeds..... 52
Veg'tbl Farm Crops 56
Wheat 41, 50

FLOWER SEEDS.

Abronia..... 64
Adlumia 82
Accroclinium..... 79
African Gold Daisy 66
Ageratum 66
Agrostemma..... 64
Alyssum 64
Amaranthus 64
Ambrosia 64
Ampelopsis..... 82
Amphium..... 79
Antirrhinum..... 64
Aquilegia..... 66
Arabis 64
Arctotis..... 64
Argemone..... 64
Asters..... 65
Balloon Vine..... 82
Balsam..... 66
Beans..... 83
Begonia..... 66
Blue Bells..... 66
Brachycome..... 66
Browallia..... 66
Bryanopsis..... 82
Butterfly Flower.. 67
Burning Bush..... 66
Cacalia..... 69
Cactus..... 68
Calendula..... 67
Calliopsis..... 67
Campanula..... 67
Canary Bird Vine.. 83
Candytuft..... 67
Canna..... 67
Canterbury Bells... 69
Carnation..... 67
Castor Beans..... 77
Celosia..... 68
Centaurea..... 68
Chinese Lantern Pl. 68
Chrysanthemum... 68
Cineraria..... 67
Clarkia..... 68
Cobœa..... 83
Cockscomb..... 68
Coleus..... 68
Commelina..... 68
Convolvulus..... 83
Coreopsis..... 67
Cosmos..... 68
Cypress Vine..... 82
Dahlia..... 69
Daisies..... 66, 69, 77
Datura..... 69
Delphinium..... 71
Dianthus..... 69
Digitalis..... 70
Dolichos 69, 82
Electric Light Plant 69
Eschscholtzia..... 69
Euphorbia..... 69
Ferns..... 70
Forget-me-not ... 72
Foxglove 70
Four O'clock 70
Fuchsia 70
Gaillardia 70
Geranium 70
Gilliflower..... 77
Gladiolus..... 71
Globe Amaranth... 79
Gloxinia 70
Godetia 70
Gold and SilverFi 70, 79
Golden Rod 70
Gomphrena 79
Gourds, Ornamental 82
Grasses, Fancy.... 79
Grass Pinks..... 70
Gypsophilia..... 70
Hellanthus..... 78
Heliotrope 71
Helichrysum..... 79
Hibiscus 71
Hollyhock 71
Humulus..... 82
Ice Plant..... 71
Ipomea 83
Job's Tears 79
Kochia 66
Kudzu Vine..... 83
Lantana 71
Larkspur 71
Lathyrus 83
Lawn Flowers..... 79
Linum 71
Lobelia..... 71
Lychnis..... 71
Maize, striped..... 72
Marigold 72
Martynia 16
Marvel of Peru..... 70
Maurandia 83
Mehan's Mallow... 71
Mignonette 72
Mimulus 72
Mirabilis 70
Mixed Flowers..... 79
Momordica..... 83
Moon Flower 83
Morning Glory... 72, 83
Nemophila..... 73
Musk Plant..... 72
Myosotis 72
Nasturtium..... 73
Nicotiana 72
Nigella..... 73
Oenotherra..... 73
Palms..... 75
Pansy 74, 149
Passion Flower ... 83
Pennisetum..... 73
Penstemon..... 75
Petunia 75
Pinks..... 69, 70
Phlox..... 76
Poppy 76
Portulaca..... 75
Primrose..... 76
Pyrethrum 75
Rainbow Corn..... 72
Rhodanthe..... 79
Roses 77
Ricinus 77
Salpiglossis..... 77
Salvia..... 77
Scabiosa..... 77
Scarlet Runner.... 83
Schizanthus..... 67
Sensitive Plant.... 77
Shasta Daisy..... 77
Shell Flower..... 77
Smilax..... 83
Snapdragon..... 64
Statice 79
Stocks 77
Sweet Peas..... 80, 81, 83
Sweet William..... 78
Sunflower 78
Thunbergia..... 83
Torenia..... 78
Verbena..... 78
Violet 78
Wallflower..... 78
Wistaria..... 83
Wild Cucumber..... 83
Wild Garden Mixt.. 79
X-eranthemum 79
Zinnia..... 78

PLANTS & BULBS.

Abella 92
Abutilon..... 91
Acalypha..... 91
Achyranthes..... 92
Achillea 124
Ageratum..... 92
Air Plant..... 98
Alebia 130
Alternanthera 92
Althea 121
Alyssum..... 110, 124
Amaryllis..... 84
Ampelopsis..... 119
Ampelopsis..... 119
Anthemis 124
Anthericum..... 92
Antirrhinum 92
Aptos 119
Aquatic Plants..... 130
Aquilegia..... 124
Arabis 124
Aralia 121
Aristolochia..... 119
Artemesia..... 92
Artillery Plant.... 92
Araucaria 91
Arundo Donax..... 124
Asclepias..... 124
Asparagus 91
Asters..... 92, 128
Astilbe..... 124
Baby's Breath..... 124
Banana..... 105
Barberry 121, 122
Begonias..... 84, 93
Bedding Plants.... 109
Bignonia 119
Bishop's Bedder.... 125
Bitter Sweet..... 119
Blackberry Lily ... 128
Bleeding Heart.... 124
Bocconia 128
Boston Ivy..... 119
Bougainvillea..... 94
Bouvardia..... 92
Bridal Wreath..... 83
Browallia 94
Bryophyllum 94
Buttercup..... 124
Cabomba..... 130
Cactus..... 94, 95
Caladium..... 84
Callas 84
Calycanthus..... 121
Calystegia..... 119
Camelia Vine..... 119
Candytuft..... 126
Canna..... 85
Canterbury Bells... 124
Carex 94
Carnation..... 94
Centaurea 94
Chenille Plant..... 92
Christmas Pepper.. 94
Chrysanthemum 96, 107
Cigar Plant..... 92
Cinnamon Vine... 84, 119
Clematis 120
Clerodendron..... 117
Cocoloba 94
Cobœa Scandens... 119
Coleus 97
Columbine 125
Coral Berry..... 123
Coreopsis 125
Corcorus..... 121
Cornus..... 121
Crape Myrtle..... 94
Crown of Thorns.... 94
Cuphea..... 97
Cyclamen..... 94
Cydonia..... 121
Cyperus 97, 130
Dahlia..... 86
Daisy..... 97, 105, 129
Day Lily..... 125
Delphinium..... 125
Deutzia..... 121
Dicentra..... 124
Dracena..... 97
Echeveria..... 97
Elder 123
Eleagnus..... 122
Electric Light Plant 97
Emerald Vine 84
Eucharis..... 97
Euonymus..... 123
Euphorbia..... 94
Exochordia..... 121
Farfugium..... 97
Ferns..... 98
Feverfew..... 125
Ficus..... 109, 118
Flowering Almond 122
Flowering Currant. 122
Forget-Me-Not..... 97
Forsythia..... 122
Fountain Grass..... 109
Foxglove..... 125
Fuchsias 99
Funkia..... 125
Gaillardia..... 125
Genista 97
Geranium 100, 101, 102, 107
Gladiolus 87
Glaucium..... 89
Gleditschia..... 123
Golden Glow..... 128
Gramineus 103
Grass Pinks..... 126, 128
Grevillea 103
Gypsophilia..... 124
Hawthorne..... 121
Helianthus..... 125
Heliotrope 103
Hemerocalis 125
Hibiscus 103, 125
Hollyhocks..... 125
Honeysuckle..... 120, 121
Hop Vine..... 120
Hoya 117
Hyacinthus Candicans..... 84

Hyacinths..... 90
Hydrangea..... 103, 122
Iberis 126
Ice Plant 103
Impatiens Sultana.. 103
Iris 126
Ismene..... 89
Ivies 104
Jasmine 104
Jerusalem Cherry ..103
Kudzu Vine..... 119
Lantana 104
Lathyrus 126
Larkspur..... 125
Lemna..... 130
Lemon 105
Lemon Lily..... 88
Lemon Verbena..... 104
Lilac 122
Lilies..... 88, 90
Lily of the Valley... 88
Linum 126
Lobella..... 104
Lonicera..... 121
Lotus 130
Ludwigia..... 130
Lychnis..... 126
Maderia Vine.... 89
Manetta Vine.... 117
Marguerite..... 105
Matrimony Vine.... 119
Maurandia..... 117
Mehan's Mallow 125
Monardia 126
Montbretia..... 89
Moonflower..... 117
Myosotis..... 126
Myrtle 126
Nasturtium..... 118
Oleander..... 105
Orange Lily..... 88
Orange Tree..... 105
Othona..... 104
Oxalis 89, 104
Paeonies..... 127
Palms..... 105, 106
Pandanus..... 106
Panicum 118
Pansies..... 103, 149
Pansy Geranium.... 106
Pardanthus..... 128
Parrot's Feather.. 128
Passion Flower.. 118
Pearl Bush..... 121
Pelargoniums..... 106
Pennisetum..... 109
Peperonia..... 107
Pepper..... 94
Pepper Bush..... 123
Petunia..... 106
Phlox..... 128
Pinks 126, 128
Platycodon 126
Plumbago 106
Plume Poppy..... 128
Poppy 128
Potentilla..... 123
Primrose 109
Privit 122
Purple Fringe..... 123
Pyrethrum..... 129
Resurrection Plant 99
Ribbon Grass..... 129
Robina 123
Roses.. Front Cover 1
111, 112, 113, 114, 115, 116
Rubber Tree..... 109
Rudbeckia..... 128
Russella 109
Sagitaria..... 130
Salvia 110
Sambucus..... 123
Saponaria..... 129
Sanseveria..... 110
Santolina..... 110
Saxafraga..... 110
Sea Pink..... 129
Sedum..... 110
Selaginella..... 110
Shamrock 103
Shasta Daisy..... 103
Silk Vine..... 120
Shower of Gold 97
Smilax..... 118
Snowball 123
Snowberry 123
Spiræa..... 122, 123, 128
Solanum..... 118
Stevia..... 110
Stokesia..... 129
Strawberry Gauva.. 105
Strobllanthe 110

Surinam Cherry.... 105
Swainsonia..... 110
Sweet Alyssum..... 110
Sweet Pea Shrub .. 123
Sweet Pepper Bush 123
Symphoricarpus 123
Sweet William..... 129
Syringa 123
Tamarix..... 123
Tigridia 89
Tritoma 89, 129
Tuberoses 89
Tulips 90
Umbrella Palm 97, 130
Verbena 104, 110
Viburnum 123
Vinca..... 118
Violets 128
Virgins Bower.... 120
Wahlenbergia..... 126
Wandering Jew.... 118
Water Hyacinth ... 130
Water Lilies..... 130
Water Poppy..... 130
Wax Plant..... 117
Weigelia 123
Winter Bl. Bulbs .. 90
Wistaria..... 120
Woodbine 120
Yucca 129
Zephyranthes..... 89
Hardy Shrubs..... 121
Hardy Vines..... 119
Perennials..... 124
Hedge Plants..... 122

NURSERY STOCK.

Apples..... 132, 133
Blackberries 134
Cherries..... 132, 133
Crab Apples 132
Currants..... 134
Dewberries..... 134
Evergreens..... 135
Gooseberries 134
Grapes..... 134
Ornamental Trees.. 132
Peaches..... 132, 133
Pears..... 132, 133
Plums 132, 133
Raspberries 134
Shade Trees..... 132
Strawberries..... 135

MISCELLANEOUS.

Aquariums..... 147
Baskets 136
Berry Boxes..... 136
Birds & Supplies .. 146
Books..... 64, 72, 131
Broadcast Seeders. 142
Brood Coops.... 144, 145
Brooders..... 144, 145
Corn Tools..... 141
Cut Flowers..... 131
Eggs for Hatching. 144
Fanning Mills..... 142
Farmogerm..... 59
Fertilizer.... 27, 139, 142
Flower Pots..... 138
Fruit Packages..... 136
Garden Tools.... 140 141
Gold Fish 147
Grass Catchers.... 139
Hand Weeders..... 142
Implements. 140, 141, 142
Incubators..... 145
Insecticides.... 137, 138
Iron Vases 139
Lawn Mowers..... 139
Lawn Supplies..... 139
Manures 136
Mole Traps 142
Nursery Supplies... 136
Paris Green 137
Parrots 146
Plant's Food..... 136
Plant Stands 138
Potato Knife 58, 142
Potato Planters 58
Poultry Supplies.... 143
Pruning Shears 136
Raffia 136
Rubber Hose..... 139
Seed Sowers..... 142
Seed Tester 142
Slug Shot 137
Spagnum Moss..... 136
Sprayers 137
Tree Protectors.... 135
Trellises..... 83
Window Gardens..... 139
Supplies..... 138

PRETIOSO PANSIES



A NEW STRAIN OF THE WORLD'S BEST GROWER, IMPORTED ONLY BY US, AND OFFERED TO OUR FRIENDS UNDER SPECIAL ARRANGEMENT.

Each year sees an advancement in the production of choice pansies. We have this season purchased the supply of the newest improved strain of this lovely flower. It contains the widest range of colors, the most diversified markings, and the most velvety substance of any strain of mixed pansies now offered by the seed trade. They are great, large, fine blooms, of satiny finish and of brightest colors, which really shine with lustre. The plants have been bred up for robust habit and heavy growth. It requires strong plants to product large blooms and lots of them. Our illustration on the back cover page gives only a partial conception of their great beauty. There are colors and markings and shining shades of color in the pansy that cannot be transferred to paper by any process which is known to the printing a t. Nature alone brings forth the beauty of the flowers, and you must grow the Pretiosa pansy to realize its matchless splendor. To help you succeed we will send with each packet of seed a little circular telling "How to Succeed with Pansies." We hope every one of our thousands of customers will include this item in their order, as we feel sure it will be a source of delight to the grower.

Seed per pkt. 20c; 3 pkts. for 50 cents.

GRAND TOMATO TRIO

THE THREE MAJESTICS

One Packet Each of the Three Majestics, 25c

GOLDEN MAJESTIC, the $1,800.00 Tomato.—A magnificent new variety which originated in northern Iowa, and we were so favorably impressed with it that we bought all the stock in existence and paid for same at the rate of $1,800.00 per lb. It is the golden member of the great triumvirate, fully equal to its elder brothers in size, solidity, yield and flavor. Without hesitation, we pronounce it the grandest yellow tomato in existence. The tomato is undoubtedly the most popular vegetable in America, and nothing presents a more appetizing appearance on the table than thick, luscious slices of alternating purple, red and yellow, cut from our Majestics. A trial will convince you of their superior qualities. Pkt. 15c; oz. $1.00.

MAJESTIC.—The largest, handsomest and finest quality tomato ever sent out. When we first secured this grand sort we knew that it was of exceptional merit, and superior in size and flavor to anything on the market, but we were astonished at the reports received from our customers. Thousands of letters arrived speaking of it in highest praise. Undoubtedly the largest fruited of any, and the fruit is solid, weighing more than its size would indicate. The first fruits matured are somewhat rough, but later they are smooth and handsome; of rosy red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, very small seed cells, few in number and near the surface. Flesh is tender, fine-grained and rich, yet of mild, delicate flavor, being of the sub-acid class. Plant is of vigorous growth, and many of our customers report specimens of 3 lbs. to 7 lbs. each. The largest were, of course, grown by special culture. There were also many reports of 120 to 160 lbs. of tomatoes grown on one plant. Pkt. 10c; oz. 50c; ¼ lb. $1.50; lb. $5.50.

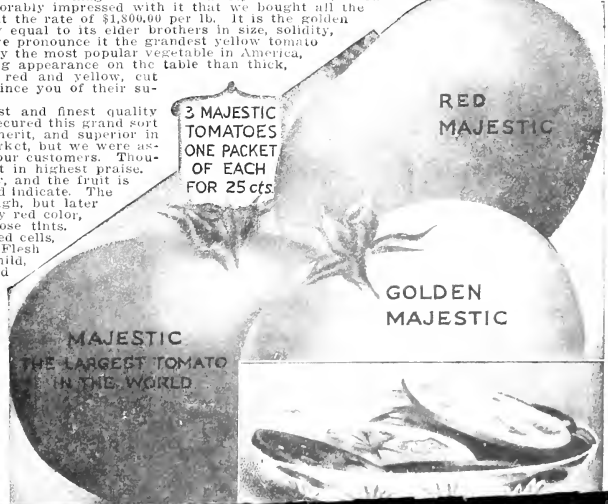
RED MAJESTIC.—This new variety appears to have all the good qualities as well as the large size of the world-renowned Majestic, but is of a bright cardinal red in color, and for this reason may be preferred by some. It is also of special value for growing on a trellis and will quickly cover a support 6 or 8 feet high, and bears its fruit well up from the ground, out of reach of chickens. Many growing both this and Purple Majestic pronounce the red variety sweeter and richer.

MAJESTIC TOMATO PLANTS

Strong, Well Grown, Transplanted Plants

Majestic	**Per doz., 40c**
Red Majestic	**Per doz., 40c**
Golden Majestic	**Per doz., 40c**

One Dozen of Each Only $1.00, Postpaid.




PRETIOSO
PANSIES
PKT. 20 CTS.
RED MAJESTIC
GOLDEN MAJESTIC
MAJESTIC